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Lancaster Farming

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County Swine Producers Hold Fall Carcass Show

The first part of a two-part hog show got under way Thursday night at the West Lampeter Fair Market hogs were submitted by 13 members of the Lancaster County Swine Producers Ass'n These were judged by Prof Glenn R Kean, Meat Specialist at Pennsylvania State University

The idea of this two-part show was to judge the animals on-foot for inches of backfat, body length, loineye size, and the percentage of dressed carcass weight made up by ham and loin When the hogs are slaughtered and cut up, the accuracy of the on-foot judging can be determined. This type of show can help the swineman learn to more accurately select his breeders for their true cut-out value, this approach can be a great asset to the meat industry in its constant struggle toward the goal of the "perfect" meat-type hog

Members were supplied with evaluation sheets on which to record their estimates of the desired meat characteristics as they looked over each hog As each animal was observed the judge recorded his estimates, and then invited participating members to voice their ideas about the animals then in the ring

The judge finally decided on the four most-likely hogs, and invited the audience to bring back any others that they felt rated top consideration They only asked for one hog other than the four the judge had originally picked These five top hogs were owned by Willow Glen Farm, a Yorkshire, Warren Leininger, a Spotted Poland, John Eby & Son, a Duroc, Clair Hart-

(Continued on Page 7)

NEPPCO Plans Really Big Show

HARRISBURG, Pa — An exposition with more square feet of educational, technical and commercial displays than any staged in recent years by the Northeastern Poultry Producers Council will be opened by NEPPCO Officials next week in this city's huge Farm Show Building

Some 5000 poultrymen from all sections of the 14-state northeastern region represented by NEPPCO are expected to gather for the annual convention and show The three-day exposition runs through October 6-7-8

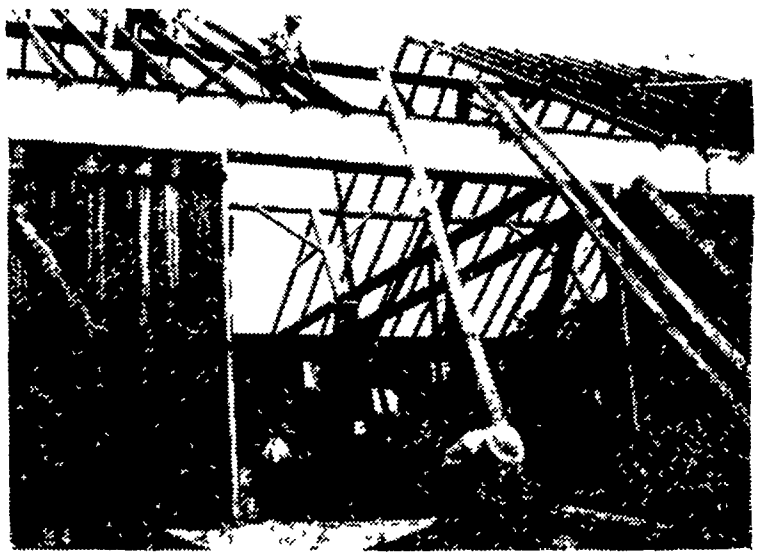
The big yearly event covers educational sessions on more than a dozen vital topics and includes a huge family banquet, complete programs for youth, the womenfolk and turkey growers, and the selection of outstanding farm youths in a variety of categories, including the "Poultry Princess of the Northeast" and the "Star Poultry Farmer of the Northeast"

Living up to its tradition, the exposition will serve as the stage for unveiling the latest technological advances in poultry equipment, supplies and services of scores of commercial firms — living up to its historic role as the marketplace for northeastern poultrymen

Secondly, it will serve as an educational refresher course Three days of intensive coverage of the most vital topics in the poultry industry today will be given by outstanding people in the field from all parts of the country

Getting top billing among

(Continued on Page 6)



Crew working for Bird-in-Hand builder Jacob Flaud take down barn on property of Armstrong Cork Co. board by board. The barn will be moved to Lebanon County to replace one that recently burned on the farm of Herman Reist. L. F. Photo.

Farmer Loses A Barn; Farmer Gains A Barn

About noontime last August 6 fire struck the farm of Herman Reist in South Lebanon Township By the time it was brought under control 59 cattle were incinerated Also among the ashes were two cultipackers, disc, roller harrow, wagon and load of sawdust, small wagon, six milkers and coolers several thousand bushels of barley, 40 tons of hay and straw, and other equipment The loss was estimated at near $100 000

Meanwhile in Lancaster County Levi H Brubaker and A G Bucher had agreed to help the Turner Construction Co get a barn removed from a property that the Armstrong Cork Co had bought three or four years ago Then Brubaker saw the story on the Reist fire in the September issue of the Farm Bureau Mirror, and the rest is history

Jacob Flaud, a builder from Bind in-Hand, was hired to take down the Lancaster barn, move it to Lebanon, and reassemble it on Reist's property.

Working with about a five-man crew, Flaud estimates it will take a week to take down the barn, then about three to five truck trips to haul the material to Lebanon, and two to three weeks to completely assemble the barn at the other end Reist plans to have a barn raising which will help speed up the operation

The old barn was on the farm of Aaron C Hostetter, and was in operation until about April 1963 The Hostetter farm was one of six or seven farms purchased by the Armstrong Cork Co

Reist's old barn was 42'

(Continued on Page 8)

Eugene Risser Wins FFA Award

It was decided when all the points were tallied by the Vocational Agriculture instructors at their monthly meeting Thursday that Eugene Risser, Lititz R1, had won the FFA Judging Contest

Gene, a student at Warwick High School, piled up a total score of 681 points, four points more than his nearest rival, Leroy Eshleman of Penn Manor High School

This annual award is based on the students individual scores in each of eight judg-

(Continued on Page 5)

Larry High Beef Champ At New Holland 4-H Roundup

A solid little Angus owned and showed by Larry High, Baileville, came out on top of a 9 entry Angus class and went on to win Grand Champion of the Show at the New Holland Fair

Larry, son of Mr and Mrs Harvey High, also handled his animal to a runner-up position in the Showmanship class

Reserve Champion was a Hereford owned by William Shirk of Goodville, and shown by Bob Fisher, East Earl R1

The Showmanship class was won by Larry Weaver, New Holland R1, with an Angus steer that was runner up in the class competition

The Best Fitted class was also taken by an Angus This one was owned by Galen Yoder, Elverson R2 Galen finished in fourth position in the Angus judging

The judge for this show was Harold Stewart, County Agent for Dauphin County Club leaders assisting at the show were Lester M. Weaver, New

(Continued on Page 6)

Larry High proudly holds his Angus steer that brought him Grand Champion 4-H Baby Beef at the New Holland Farmers Fair. On the right is the Reserve Grand Champion Steer, a Hereford, that was shown by Bob Fisher. The Hereford steer is owned by William Shirk, Goodville. L. F. Photo.

Weather Forecast

Temperatures for the next five days are expected to average 2 to 7 degrees below normal. It will be cooler over the weekend with little day to day changes thereafter.

Precipitation may total more than .5 of an inch. This will occur as scattered showers at the beginning of the period, with more general rain late Sunday and Monday.

Farm Calendar

Oct 6 — NEPPCO Convention at Farm Show Bldg, Harrisburg

Oct 7 — Manheim Farm Show
6 30 p m — Baby Beef Judging
NEPPCO Convention
6 30 p m — NEPPCO Annual Banquet and Poultry Princess Pageant
Baby Beef Club Parents Night at Milton Brecht School

Oct 8 — NEPPCO Convention.
Manheim Farm Show
6 30 p m — Dairy Show.

Oct 9 — Manheim Farm Show.
6 45 p m — Annual 4-H Dairy Banquet, Hostetters Banquet Hall, Mt Joy.

Oct. 10 — 9 a m — 4-H Rabbit, Entomology, and Handyman Exhibits.

Market News Reports

At Lancaster Yards

CATTLE 4350. Compared with 4461 last week and Supply included 55 per cent feeder steers, 30 per cent slaughter steers, 10 per cent cows, with balance mainly Bulls Slaughter Steers moderately Active, Strong to 50¢ higher. Cows 50-1 00 lower, instances $1 50 lower Bulls mostly steady; instances weak to $1 0(lower on Cutter and Low Utility Feeder steers slow, steady to 50¢ lower.

SLAUGHTER STEERS: Choice 1000-1250 lbs. 26.00-27 35, 1 lot 1400 lbs 27 00, Good 24 00-26 00. Including few lots Mixed Good and Choice 25 50-26 00, Standard 21 50-24 00, Utility 19 00 21 50

COWS Utility and High Yielding Cutter closed mainly $13 00-14 00 Few 14 25-15 50, Canner and Cutter 11 00-13 00, Shelly Canner 9 00 11 00

BULLS Utility and Commercial 18 00 21 50 Good and Choice 20 50 23 50 Cutter and low Yielding Utility 15 00-18 00

FEEDER STEERS Choice 800-900 lbs 22 50 23 00, Few loads Mixed Good and Choice 500 550 lbs 22 50 1 load Choice 550 lbs 23 75, Good 700-1000 lbs 20 00-22 00, Few loads Standard and Good 675 700 lbs 19 25, Load Standard 635 lbs 17 00, Utility and Standard 400 600 lbs 15 00 17 00

CALVES 650 Compared with 616 last week Vealers fairly Active, Fully steady

VEALERS Choice 32 00-35 00, Few to 36 00, Good 29 00-32 00, Standard 25 00-29 00, Utility 20 00 25 00, Cull 15 00 20 00

HOGS 1100 Compared with 1228 last week Moderately Active, Barrows, gilts and Sows steady

BARROWS AND GILTS U S 1-2 190 240 lbs 18 00-18 50, U S No 1 190 225 lbs 18 75 19 00, few 19 50, U S 1-3 185-250 lbs 16 50-18 00, U S 2 3 225 250 lbs 17 00 17 50 250 280 lbs 16 50-17 25.

SOWS U S 1-3 300-500 lbs 12 00-13 00, U S 1-2 280-350 lbs 13 00-13 50, U S 2-3 500-600 lbs 11 50-12 00.

SHEEP 300 Compared with 695 last week Moderately Active, Spring and Slaughter Ewes steady

SPRING LAMBS Choice 75-100 lbs 22 00 23 00, Good 19 00-22 00, Utility 16 00-19 00

SLAUGHTER EWES Cull to Choice 5 00 8 00

Chicago Cattle

WEEKLY REVIEW

Cattle — Salable receipts first four days 27,100 compared 25,000 week ago and 23,900 year ago Twelve market receipts 221,700, compared 217,800 week ago and 204,400 year ago

Compared last Friday, slaughter steers and heifers steady to 25 lower Cows steady to 50 lower Bulls steady In the Chicago carlot dressed trade, steer beef steady to 50 lower except choice 700 900 steady to 50 higher Heifer beef steady to 50 lower Cow beef 25-75 lower

Slaughter steers Loadlots prime 1225-1409 lbs 27 75-28 00, with ten loads at 28 00 on Wednesday Bulk high choice and prime 1150-1450 lbs 27 00-27 50, on Monday few loads 26 75 Several loads high choice to mostly prime 1450-1507 lbs 27 25-27 50, load 1700 lbs 26 50 and load choice with few prime 1627 lbs 26 00 Bulk choice 1100-1400 lbs 25 50-26 75, comparable grade 900-1100 lbs 25 00-26 25, several loads choice and prime 1000-1075 lbs 26 50-27 00 load high choice to mostly prime 1125 lbs 27 25 Good all weights 22 00-24 50, loadlots mixed good and choice 24 25 25 50, standard and low good 19 50-22 00

Slaughter heifers Loadlots mixed choice and prime 925-

(Continued on Page 3)

Vintage Sale

Weekly Review

CATTLE 770 Supply included 37 per cent cows Slaughter steers uneven, Choice weak to 50¢ lower; Standard and Good fully steady to strong. Cows mostly 50 lower; some sales $1.00 lower Bulls steady to weak.

SLAUGHTER STEERS: Choice 950-1250 lbs 25 50-26 50, High Choice and Prime 26 50-27 25, Good 24 00-25 75, Standard 22.00-24.50, Utility 18 50-21 50

HEIFERS Few Good 19 35-21 50

COWS Utility and High Yielding Cutter 13 00-15 00, Few 15 00-15 50, Canner and Cutter 11 00-13 00

BULLS Utility and Commercial 18 50 20 50, Good 20 50-22 35

CALVES 600 Cull and Utility vealers weak to $1 00 lower other grades steady

VEALERS Choice 32 00-35 00 Good 28 00-32 50, Standard 25 00 28 50, Utility 20 00 25 00 Cull 14 00-20 00

HOGS 120 Barrows and gilts Active, Steady to strong Sows mostly 50 higher

BARROWS AND GILTS U S 1-2 210 240 lbs 18 00 18 60, U S 1 3 200 240 lbs 17 50-18 00

SOWS U S 1-3 325 550 lbs 14 00 14 85

SHEEP 40 Spring slaughter lambs steady Spring lambs Good 75 90 lbs 19 50-22 00, Utility 17 00-19 00, Slaughter Ewes Utility and Good $4 00-8 00

(Continued on Page 3)

New Holland Auction

CATTLE: 1141. Supply included 27 per cent cows and 22 per cent feeder steers. Slaughter steers active, mostly 50 higher, cows mostly 50 lower Bull weak to $1.00 lower and feeder steers steady to weak.

SLAUGHTER STEERS: Choice 900-1250 lb. 26 00-27 50, High-Choice and Prime 1000-1300 lb. 27.25-28 00, 3 head 28 25-28 50. Load High-Choice and Prime 1350-1600 lb. 26.00-27.75. Mixed Good and Choice 25.50-26.25. Good 24.25-26.00. Standard 22.00-24 50.

Slaughter Heifers: Good 850-1000 lb 20 00-23 00, Utility and Standard 15 00-18 00

COWS Cutter and Utility 12 50-14 35, few High-yielding Utility 14 75-16 00, Canner and Low-yielding Cutter 10 75-12 50

BULLS Utility and Commercial 18 00-20 60, Good and Choice 20 00 23 85

FEEDER STEERS Standard and Good 600-950 lb 18 50-20 75 Utility and Standard 15 00 18 50

CALVES 406 Fairly active, Good and Choice vealers mostly steady with other graded mostly $1 00 lower.

VEALERS Choice 32 00-35 00, few 36 50 37 00 Good 27 50-32 00, Standard 24 00-28 00. Utility 19 50-24 00, Cull 15 00-20 00

SHEEP 25 Few lots Good 70-100 lb. spring slaughter lambs steady at 19 50.

Good fresh cows were a little stronger and backward springers weaker at the Sept 30 sale. There were 177 cows, 10 bulls and 13 heifers sold

Fresh Holsteins sold for 250 to 480; Guernseys, 135 to 230, other breeds, 225 to 350.

Bulls brought 130 to 165, and heifers, 100 to 225.

At the Horse Sale on Sept 28, 304 head sold at a steady trend. Riding horses brought 125 to 300; driving horses, 125 to 200; killers, 6½ to 7 cents per pound.

Pony mares sold for 50 to 100, and geldings, 25 to 75

At the Hog Sale, also on Sept 28, 413 hogs and 30 shoats were offered.

Hogs retailed at 18.50 to 19 The wholesale price for U S Grades 1-3 ranged from 18 to 18 50 Heavyweights brought 17 to 17 75, and sows, 12 to 15 50 The shoats sold for 8 to 16 The trend of the sale was steady.

There were 160 calves received at the Sept 28 sale and these sold at steady to $1 higher Choice and prime, 34 to 37.50, good and low choice, 29 to 34; standard, 26 50 to 29, common, 15 to 25.

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Sale Schedule
Monday: Horse Sale ..... 10:00 A.M.
Tack Sale to Follow Horse Sale
Hog Sale ..... 11:00 A.M.
Beef Cattle ..... 2:00 P.M.
Sale Order — Bulls, Steers, Cows, Calves
Wednesday: Sale of Dairy Cattle ..... 12:30 P.M.
Thursday: Sale of Beef Cattle ..... 12:30 P.M.
Sale Order — Bulls, Steers, Cows, Calves
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Ph. New Holland 354-2161 New Holland, Pa.

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Weekly Broiler Report

Lowest Weekly Placement Since April 11

Hatcherymen placed 658,000 chicks for commercial broiler production in the State during the week ending September 26, according to the Pennsylvania Crop Reporting Service This was a decline of 16 per cent from the previous week and the lowest weekly placement since April 11 The 10 week total placements, however, were 14 per cent above a year earlier Broiler-type eggs set during the week totaled 1,030,000, down 4 per cent from a week earlier and 1 per cent below a year ago. The 3-week total was 3 per cent below a year earlier. Inshipments of broiler-type chicks the past 10 weeks totaled 806,000 or 40 per cent above the comparable period last year. Outshipments of 1,254,000 were down 7 per cent.

Placements in the 22 major producing states totaled 34 6 million chicks, down 2 per cent from the previous week, but 3 per cent above a year earlier. The 10-week total placements remained 5 per cent above last year. Settings of 49.2 million eggs were 2 per cent below a week earlier, but 4 per cent above a year ago. The 3-week total continued 5 per cent above last year.

Eastern Pa. & N.J. Live Poultry Report

Supplies of light type hens continue heavy. Demand only fair. Some processors restricting purchases & unable to handle all offerings Processors also reported difficulty moving processed birds due to heavy Cold Storage Holdings & price competition from frozen export shipments from dressing plants located in the Midwest Offerings of heavy type hens adequate for the fair demand. Supplies of heavy type hens turkeys moderate adequate for fair buying interest An occasional lot of heavy type toms brought 21-22¢ & light type hens turkeys 26¢ Prices paid at farms 9/28-30 for light type hens 6-7¢, heavy type hens 15 15½. Turkeys Hens, heavy type 22-24¢.

● Vintage

(Continued from Page 2)

At a Special Feeder Sale on Sept. 25, 500 feeders were offered

Good and Choice (700-1050 lbs) 20.85 to 22 25.

Good and Choice (400-650 lbs) 20.25 to 22 50

Good (700 to 1000 lbs) 19 00 to 20 50

Medium (400 to 900 lbs) 15 50 to 18 50. Culls down to 12 cents per pound.

At the Sept 26 Hog Sale, 190 hogs were sold

160-180 lbs , 17 25, 180-200 lbs 17.75-18 60; 200-220 lbs , 18 00-18 60; 220-240 lbs 17.50-19.25, 240 up, 16.25-17.60; Sows, 12 50-13.85.

The white hospital ship S S. HOPE is a fully-equipped medical center, housing three operating rooms, complete dental facilities, X-ray and laboratory spaces, physical therapy areas as well as 230 hospital beds.

● Delmarva

Live broiler and fryer prices continued steady with good demand for light auction offerings.

Ready to cook demand was mostly slow though fair in instances. School lunch commitments were a factor in maintaining movement Some limited feature activity was noted for next week.

Delivered prices were ½ to ¾ cents lower, and were competitive with other producing areas.

Eastern slaughter for Friday and Saturday was 834,000 head compared to 734,000 head last weekend.

Prices paid and reported purchases for the 24-hour period ending 10.30 A.M. Friday, broilers and fryers 14 4-15 1, 1,086,900 head were purchased, including 428,000 head offered and sold at Eastern Poultry Growers Exchange on Thursday.

Thirty-one percent of the auction offerings were sold at 14 5-14 9.

The Delmarva broiler-feed ratio for the week ending Sept. 25, 1964 was 3 0. This represented a decline of 2 points from last week Broilers averaged 15.44 cents per pound, and mash $101.49 per ton.

GOOD BUY IN MEAT

If you're looking for one to four pounds of tasty meat, you could buy a boneless smoked shoulder butt, say Penn State extension consumer economics specialists. You may know the cut as a cottage roll. Boneless butt or cottage roll is a nugget of ham-like flavor carved out of the pork shoulder. Because of its convenient size, it's an excellent buy for a small family.

Weekly New York Egg Mkt.

From Monday, September 28th to Friday, October 2nd

	Mon.	Tues.	Wed.	Thur.	Fri.
WHITE					
Ex Fcy. Hywts	38½	38½-39	39	39	39
Fcy. Hywts	37	37	37	37	37
Fcy Med.	25	25-25½	27	29	29
No 1 Med.	25	25-25½	27	28	28
Pullets	19	19	19	19	19
Peewees	16	16	26	16	16
BROWN					
Ex. Fcy Hywts	41	41	41	42	42
Fcy Hywts.	39	39	39	40	40
Fcy. Med.	27	27	27	27	27
Pullets	19	19-20	20	21	21
Peewees	16	16	16	16	16
MIXED					
Fcy. Hywts.	36	36	36	36	36
Standards	32	32	32	32	32
Checks	23½	23½	23½	23½	23

TREND. Market holds steady under fair clearance of fancy large, and moderately good clearance of medium and small sizes.

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● Chicago

(Continued from Page 2)

1050 lbs. 24 50-25.00, mostly 24 75-25.00, load prime 1090 lbs 25 50, bulk choice 800-1050 lbs. 23.25-24 50, few loads 24-75, good 21.00-22.25, standard and low good 19.00-21 00

Cows: Utility and commercial closed at 12.00-14.50, few to 15.00, canner and cutter 10 50-13 00.

Bulls. Cutter to commercial closed at 16 50-18 50, early in the week, to 19 00.

Feeders Four loads mixed good and choice 600 lb. steers 21 25, few loads standard and good 600-700 18.50-19.50.

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From Where We Stand . . .

That Old Residue Problem

That old pesticide residue problem may be on its way to becoming that "new" residue problem.

Dr. Nyle C. Brady, director of science and education, USDA, recently told a meeting of the board of directors of the American Dairy Association that the entire philosophy of "zero tolerance" and "no-residue" registration is up for review.

Over the years many pesticides have been accepted on the basis of valid proof that there would be no residues when the materials were used as prescribed.

Such proof, however, was based upon tests that were considerably less sensitive than those that are constantly being developed.

Now the President's Life Sciences Panel has reported that the experimental evidence on which many older tolerances were based was inadequate, and they have recommended that such tolerances be reassessed. The Food and Drug Administration has already begun action on this recommendation.

Many of the new, more sophisticated, tests now enable scientists to detect levels as low as one part per billion, or even per trillion! Such tests make concepts like zero tolerance meaningless, because it is now almost impossible to use a product without leaving some measurable tolerance.

This means that to get clearance for new and for previously cleared pesticides, new concepts and new testing techniques will have to be developed to learn where the "safe" level for each pesticide lies. The picture promises to be muddy for some time to come.

Another problem that is aggravated by the pesticide confusion is one that hits the dairyman right where he's most vulnerable — in the pocketbook. We know by experience that consumer resistance to our product can skyrocket as the public translates pesticide confusion into pesticide panic. It would be very unfortunate if per capita consumption of dairy products, which according to M J. Framberger, general manager American Dairy Ass'n. have been on an upward trend since 1961, should suddenly begin a downswing. These trends often seem to generate their own momentum, and it always seems harder to reverse a down trend than one which is on its way up.

We'll attempt to keep you informed on the progress of this new pesticide problem as events unfold.

The Reader Speaks . . .

Why Confiscate Good Farm Land For Middle Creek Area Project?

Mr Editor

We, the farmers and property holders of the vast Middle Creek area project situated in southeastern Lebanon County and in northern Lancaster County, are very much concerned about the future of our farms and homes, as much as any Game Commission member would be, or perhaps much more so, as we here have more to lose than they have

The loss of our livelihoods and the ability to provide a decent and respectable living for our children would be a terrible and lasting disaster The confiscation of our good farm land by the Pennsylvania Game Commission for the purpose of hunting pheasants, rabbits and ducks for a period of five or six weeks each year, certainly does not give just reason for seizure of excellent farm land and beautiful landmarks many generations old

Many top honors have been won by the youth of our area in FFA and 4H projects Prize animals and blue ribbon crops have been produced and grown on our good soil which is second to none

The seizure and destruction of such valuable farm land by flooding and the planting of Multa Flora Rose and other destructive bushes and plants by the Game Commission is unjustified very unwise and a grave injury to the taxpayers of our beloved state, and certainly no asset to our beloved Lebanon and Lancaster Counties and our immediate neighborhood

The passage of Project 70 by the voters was by a very small margin, and we know that many of our city friends, had they realized and known the damage the passage of Project 70 would cause to good farm land, our beautiful homes, and the ability to provide a livelihood for our children, would have defeated this evil with a positive and emphatic NO

Many, many years of hard labor, much care and concern are the ingredients which have made our good farms the farms they are today

We, the fathers and mothers, we the little children, we the residents of this vast 2,400 acre project do not approve of such unjust seizure and destruction of our farms and homes by the Game Commission, and do testify against such unjust action

Signed,
Concerned Farmers and Residents of the Middle Creek Area Project

(Editor's note We are printing the preceding letter in accordance with our policy on letters to the editor. We would like to note that we contacted a spokesman for the Game Commission He stated that the Game Commission itself has not as yet approved acquisition of the Middle Creek site, although it has been approved by the State Planning Commission The Game Commission will not decide officially on this question until it meets in Harrisburg during the week of October 12 If the project is approved at that time, a public meeting will be scheduled for the Middle Creek area shortly afterwards While we sympathize wholeheartedly with ANYONE that is forced to move from his home, we would point out that the State's right of Eminent Domain—taking private land for public use—is a well-established, though perhaps harsh, reality Cool headedness, and a general "alert-but-wait-and-see" attitude, until all the facts are thoroughly known, seems to be about the only sound course the involved landowners can assume at this time)

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I Certify that the statements made by me above are correct and complete.

Robert G. Campbell
Publisher

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THE BIBLE SPEAKS

International Uniform Sunday School Lessons

BY DR. KENNETH J. FOREMAN

Letters Into Books

Lesson for October 4, 1964

Background Scripture: I Timothy 1:1-11; II Timothy 1:1-2, Titus 1 1a, 4
Devotional Reading: Philippians 2:14-24.

"WHAT IN the world were you reading from?" one of the congregation asked the preacher. They had had a service of ordination at which a number of new church officers had been installed, and the preacher had read from the New Testament in a modern (Moffatt's) translation.

Dr. Foreman

"I was reading from First and Second Timothy," the preacher replied to the man's question.

"Never heard anything like it," the questioner went on. "Best thing on church officers I ever heard. I had had no idea what Timothy and Titus were all about."

Who?

The short "Books" we call Timothy, Titus and Philemon, were originally letters. Who wrote them? This may not be the most important question but it is one of the most interesting. We run head-on into long arguments when we ask flatly: who wrote these letters? (There's no problem about Philemon; we shall come to that in time. But Timothy I and II, and Titus, present a problem.) The early Christians who adopted these books into the then still growing New Testament (so new it did not have a name) thought that Paul wrote them. Careful study given by many scholars over many years has shown, however, that in large sections of these books the ideas and the way they are expressed, and—what is most remarkable—the very words used, are distinctly different from the known letters of Paul. We can sum up the evidence by saying that there are parts of these letters which read (in Greek, the language in which they of course were written) exactly like Paul and are almost certainly from his pen and mind. There are other sections which do not read like Paul. A conclusion reached by many is that either some one else wrote the letters, quoting extensively from Paul; or that Paul wrote the original letters, and either he or some editor added material from some one else.

What?

The what is more important than the Who? What are these letters-into-books concerned with? What problems do they bring out? What answers do they give? What good are these very ancient letters to the living church today? Such questions will be with us for the next three months. We can give a sort of short statement here at the beginning as to what these small books are all about. They deal with leadership in the church.

Why?

But why this interest in leaders, all of a sudden? The reason is simple. The earliest Christians had no formal organization. They could not have conceived that they would need one. For Jesus was coming soon, they all thought. Today in the church you may hear the expressions like "our children's children" or "future generations" or the "future of man" The earliest Christians would have thought such expressions nonsense. But as time went on and the church's first leaders grew to be old men, it was clear that there would have to be some thinking done about the future years. Some one had to pass on the Gospel. Some one had to be sure nothing of the good in the early years of enthusiasm should be lost. Some one had to be in charge. Some had to preserve the tradition. Some one had to make certain the teachings of Christ and his apostles were not forgotten nor distorted. Time was passing—had indeed passed—when they could say, "We'll dash off a note to Paul or Peter or some one who knew Jesus and they'll tell us." A new generation was growing up. It was felt then, and it is true today, that Christianity could go to nothing, in one generation, unless wise plans were made. So the usefulness of these "Pastorals" is as new as the continuing need for Christian leaders for every generation.

(Based on outlines copyrighted by the Division of Christian Education, National Council of the Churches of Christ in the U. S. A. Released by Community Press Service.)

Now Is The Time . . .

BY MAX SMITH

MAX SMITH

To Continue Mowing Lawns

Now that we have some moisture in our topsoil again, we can expect our lawns to start growing, some home-owners feel that it is not important to keep mowing the lawn in the fall, but this is a mistake We suggest that the lawn be mowed as long as the grass continues to grow. If allowed to grow long and mat down, turf diseases will have more ideal conditions for development. If growth is very heavy, the clippings should be removed.

To Seal Trench Silos Carefully

Many trench silos are being used to store silage throughout the county One very important management practice with the trench or horizontal silo is to keep it sealed until fed. Farmers using plastic to seal out the air should be sure the plastic cover is kept down tight on the silage at all times; as the silage settles, it may be necessary to take up the slack and pack it down around the edges. Any air under the plastic will mean spoilage.

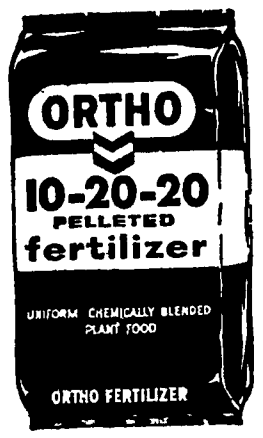
To Use Caution with Left Over Seed

Small grain seed that is purchased for planting purposes is usually treated with some fungicide to eliminate seed-borne diseases This means that the seed is not fit for livestock or poultry feeding, it is usually colored blue or pink so that it may be detected Growers are urged to keep this extra seed separate It may be held for another year, burned, or buried, but do not feed it.

To Ensile High-Moisture Corn

At corn picking time some livestock feeders will grind the ear corn and blow it into the silo, this comes out as high-moisture corn and is a very palatible feed; most upright silos in good air-tight condition will store the corn properly The corn can go in at 25 to 35% moisture and should be chopped at normal size for corn and cob chop. A silo unloader is a valuable labor-saver in getting the feed out of the silo and then automatic feeders can be installed to transport the feed to the cattle

Fertilize Your Fall Seed Grain With Ortho Unipel Fertilizer



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SMOKETOWN Ph. Lanc. 397-3539

Wentink Elected

Hendrik Wentink, sales manager for the Rohrerstown based Miller & Bushong, Inc, has been named to the Executive Committee of the 300-man Sales Executives Council sponsored by the American Feed Manufacturers Association.

The Council engages itself in many areas of work that is of benefit to the feed manufacturing industry Most distinguished among these projects is the Feed Marketing Seminar just held in Chicago (Sept 23 24) Over 250 feed industry sales executives attended the two day affair.

Commercial preparation of formula feeds for livestock and poultry is the world's largest manufacturing industry exclusively serving agriculture

Wentink and his family reside on Fairview Avenue in Wyomissing.

● Eugene Risser

(Continued from Page 1)

ing events at the West Lampeter Fair There are four dairy, two beef, one poultry and one swine events that are judged, and the resulting scores are grouped into two classes, Dairy and Livestock.

The first three positions in the Dairy judging went to Paul Martin, Garden Spot High School; David Garber, Elizabethtown High School; Larry Breneman, Lampeter-Strasburg High School

In the Livestock judging the first three places went to David Heisey, Ephrata High School, Leroy Eshelman, Penn Manor High School, and Bruce Frey, also Penn Manor High School.

In the grand totals for all contests, that decide the final winners, the first three positions went to Eugene Risser, Warwick; Leroy Eshleman and James Heistand, both of Penn Manor High School They totaled 681, 677 and 659 points, respectively

The plaque that each year is passed to the school that wins the most total points will go from Ephrata, last year's winner, to Garden Spot High School, the new champs.

The judges for the Fair events this year were the following Vo-Ag teachers: Lew Ayres, Ephrata; Wm Fredd, Solanco, Eugene Dougherty, Garden Spot

The permanent staff of the teaching-training hospital ship now anchored at Conakry, Guinea is supplemented by rotating groups of 30 to 35 physicians and dentists who serve for two months at a time without pay

Farm Bureau Seed Corn Tops!

Save 50c Per Bushel

THIRTY YEARS FARM BUREAU SERVICE TO FARMERS

ON ALL SEED CORN ORDERED BEFORE DECEMBER 31st

FARM BUREAU PROFITMAKER HYBRIDS ARE PACKAGED BY PRECISE KERNEL COUNT

Farm Bureau Hybrids	Relative Maturity (days) Silage	Grain
Conn 870	120	129
Profitmaker 832	117	127
Pa 807	116	126
Pa 840	116	126
U S 13	116	126
Pa 820	115	125
Profitmaker 873X	111	121
Profitmaker 876X	119	129
Profitmaker C725	112	122
Profitmaker C705	110	120
Profitmaker 613	106	116
Pa 602A	105	115
Profitmaker 500	98	108
Profitmaker 555	95	105
Profitmaker 411	95	105
Pa 444	92	102
Pa 333	85	95

When you buy seed corn by the bushel you get, by actual count, anywhere from 62,440 to 102,420 kernels. This spread in kernel count represents as much as 2 acres of planted seed bed per bushel. You can't buy economically with this kind of guess-work.

For peak yield and profits, you should plant 12,000 to 20,000 kernels per acre depending on your type of soil. With Farm Bureau's Kernel Count Packaging, you know exactly how much seed to buy for the acreage you plan to plant.

Now you don't overbuy . . . you don't run short. Farm Bureau's Kernel Count Packaging takes the "guess and hope for the best" out of seed corn buying.

From the chart notice that an 80,000 kernel bag plants just about the same acres as a bushel, but the figures for the 80,000 kernel bags are **EXACT** while the others are approximate.

Desired Population Per Acre	Kernels Needed Per Acre	Number Of Acres Planted By: Bu. Large Flats (Approx.)	Bu. Medium Flats (Approx.)	80,000 Kernel Bag (EXACT)
12,000	14.200	4.7	6.1	5.6
14,000	16,520	3.9	5.2	4.8
16,000	18,900	3.4	4.6	4.2
18,000	21,200	3.1	4.1	3.8
20,000	23,600	2.8	3.7	3.4
22,000	26,000	2.5	3.3	3.1
24,000	28,300	2.3	3.1	2.8

SAVE 50c PER CWT ON GRAZER SORGHUM IF ORDERED BEFORE DEC. 31st

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● Larry High

(Continued from Page 1)

Holland R1; Chester Nolt, Harvey High, and Melvin Groff, all of Bareville.

Show Results

Angus

1, Larry High, Bareville, 2, Larry Weaver, New Holland R1, 3, Bonnie Nolt, Bareville; 4, Galen Yoder, Elverson R2, 5, Barbie Nolt, Bareville, 6, Dale Groff, Bareville, 7, William Fisher, East Earl R1, 8, John Campbell, New Holland, 9, Carl Campbell, New Holland

Hereford

1, William Fisher, East Earl R1, 2, Karen High, Bareville 3, James Musser, East Earl R1; 4, Candice Myer, New Holland R1, 5, Sheryl Weaver, New Holland R1.

Showmanship

1, Larry Weaver, New Holland R1, 2, Larry High, Bareville, 3, John Campbell, New Holland.

Fitting

1, Galen Yoder, Elverson R2; 2, Bonnie Nolt, Bareville, 3, Candice Myer, New Holland R1

Following the show these animals were sold at auction by the New Holland Sales, Inc The average price per hundredweight was $32 76. The Grand Champion was purchased by Elam Burkholder, New Holland food market operator, for 64 cents per pound The Reserve Champion was bought for 30½ cents per pound by the Whitford Sales Stable, Whitford, Pa

● NEPPCO Plans

(Continued from Page 1)

the educational sessions will perts on all phases of the industry's new high-density housing The group will cover the topic from finance and construction engineering to actual production and marketing on the farm level.

New marketing techniques, the extent of integration, local zoning problems, broiler condemnations, started pullet programs and the latest in disease control — these and a number of other key topics will get thorough examination.

Displays of outstanding interest will include the nation's largest market egg show and the Boulevard of Champions, a giant panorama in photos, trophies and charts honoring winners of poultry industry competitions over the past two decades. Other top display attractions include the random sample test, flock exhibits and another on NEPPCO's member services.

NEPPCOland's Poultry Princess will be crowned following a colorful pageant on Wednesday evening On the night before, the 14-state area's Best Poultry Farmer will be named at the big annual Youth Banquet along with winners of egg and poultry judging competitions and of contests in poultry cookery, marketing and production demonstrations

Tickets and complete data are available either at the show or from NEPPCO headquarters at 10 Rutgers Place, Trenton, N J

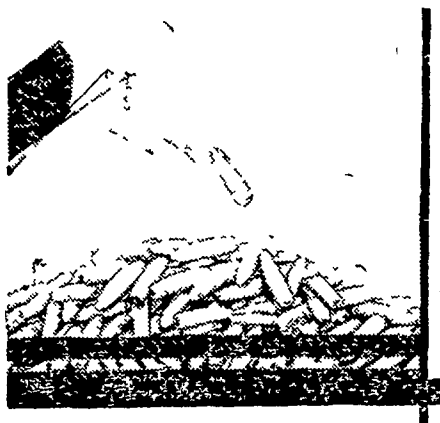
We'll see you at the NEPPCO Show!

Hershey Made Junior Member Of Holstein Ass'n

Henry H. Hershey, Lititz, has been granted junior membership in the Holstein Friesian Association of America headquartered at Brattleboro, Vermont.

To qualify, member candidates must be under 21 and have successfully completed one year's work in a 4-H or vocational agriculture dairy project. Individual ownership of at least one Registered Holstein is also required

Junior members are entitled to all privileges, except voting of the national Holstein organization They may register and transfer their animals at member rates and receive regular reports of breed and Association progress.



1963 National Corn Picking Contest Champion

the 2-row picker for steady work in heavy yields

The new Allis-Chalmers Model 190 is engineered to boost corn-handling ability where it counts:

3 GATHERING CHAINS PER ROW — to keep heavy stalks and foliage moving.

NEW-DESIGN SNAPPING ROLL SECTIONS — for more aggressive action.

NEW ROTARY FEEDERS — keep big crop volume moving uniformly from snapping rolls to front elevator.

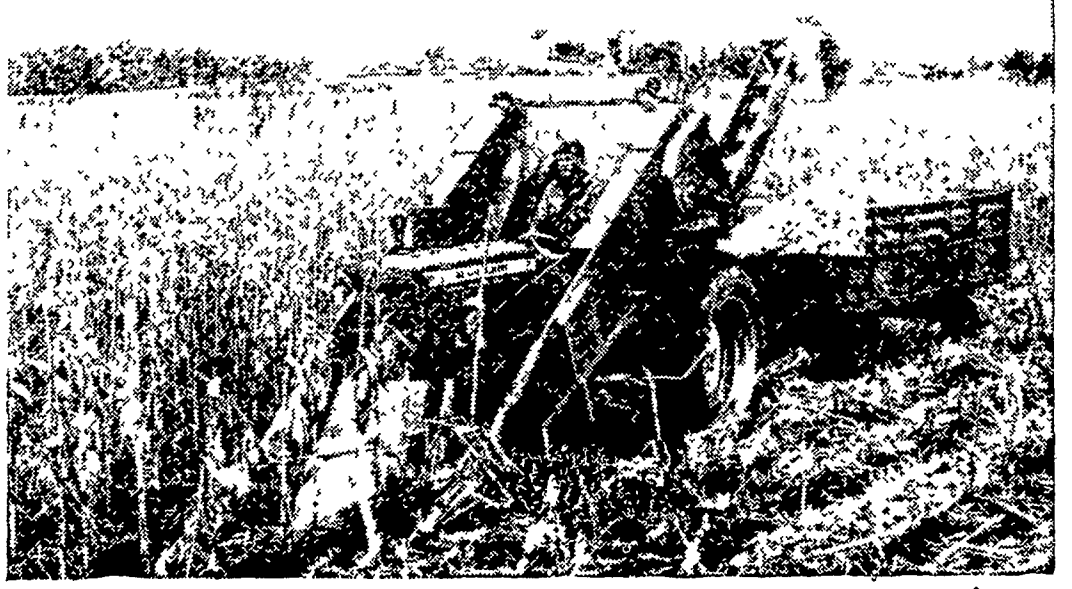
NEW LARGE HOPPER — for uniform delivery to wagon elevator.

NEW FAN LOCATION — well to the rear, mounted on elevator, for sure cleaning.

You GET the corn — with Allis-Chalmers long, sloping gathering snouts . . . adjustable stripper plates . . . fast, clean, rubber-on-rubber husking . . . shelled corn savers directly under husking beds.

New picking power for Allis Chalmers D-19, D 17, WD 45 and WD Tractors!

Ask us about Allis-Chalmers' Time Payment Plans.



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Checkerboard News

LEAST-COST PERFORMANCE CHOWS REDUCED COST

New and far more exact formulation of Purina Poultry Chows reduced production costs as shown by 5 years of testing at the Purina Farm and Laboratories. Here's how the savings added up:

START A 4% reduction in feed consumption during first 8 weeks resulted in a saving per dozen of	.04¢	
GROW A 15% average saving in feed required from 8 to 22 weeks made a saving per dozen of.....	.15¢	
LAY Extra eggs produced with no increase in feed used made another saving per dozen of	.5¢	
PAY Added together the average saving per dozen eggs amounted to.....	.69¢=7/10¢	
PLUS When new 15% Pro-Lay Eggena is fed, there is still another saving per dozen of up to.....	2/10¢	
Total saving per dozen	9/10¢ or virtually 1¢	

Savings of 9/10¢ per dozen are worth going after. Think how much saving this would-be with your flock. Check with us today for more information about these new Chows.

LOW COST PRODUCTION... the reason why more farmers feed PURINA

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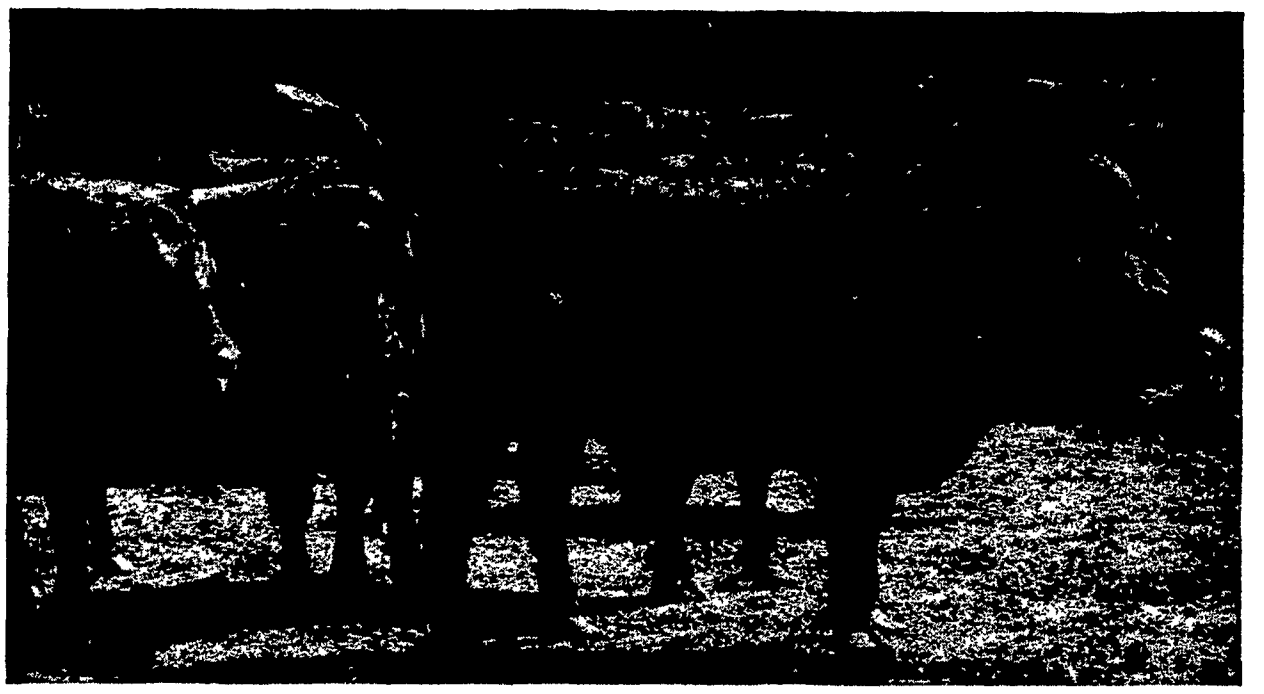
FUL-O-PEP...the feed of efficient feeders

EFFICIENCY REPORT

"15% more daily gain"

on 9% less feed with new Ful-O-Pep Cattle-izer



Cut cost of gain—In comparison after comparison, new Ful O-Pep Cattle-izer has turned in the lowest cost per cwt. gain. This new concept in beef feed helps boost available energy as much as 20%. The result is faster gains on less feed, more bloom, higher grade and yield—lower cost per lb. of gain

FASTER GAIN—LOWER COST!

ANGUS STEERS FED 177 DAYS	REGULAR FEED	CATTLE-IZER BEEF SUP
Ave. daily gain	2.51 lbs.	2.90 lbs.
Feed per cwt. gain	895.1 lbs.	813.3 lbs
Feed cost per cwt.	$20 57	$19 16
Carcass grade	Low choice plus	Average choice
Dressing percentage	63 41%	63 80%
Starting weight	651 6 lbs	651 5 lbs
Finished weight	1096 50 lbs	1165 25 lbs.

Cattle-izer pays 6 ways—This feeding trial, one of many, shows advantage of Ful-O-Pep Cattle-izer. (1) 0 39 lbs more daily gain (2) 81 8 lbs less feed per cwt. (3) Saving of $1 41 per cwt gain on feeding cost. (4) Higher carcass grade. (5) Higher dressing percentage. (6) 68¾ lbs more beef per head at market.

One difference in feed—Same protein. Same antibiotics. Same Vitamin A and minerals. Same stilbestrol.

Only difference in rations of two lots of Angus steers at the Ful-O-Pep Farm were: One lot got the "new concept" factor in Ful-O-Pep Cattle-izer Beef Supplement. The other didn't.

Big difference in gain—Steers on new Ful-O-Pep Cattle-izer averaged 2.9 lbs daily gain during the 177 days on feed—15 5% higher than the control lot. Steers on new Ful-O-Pep Cattle-izer gained 100 lbs. on only 813.3 lbs. feed — 9.1% less than steers on the regular feed. They graded higher when sold . . . dressed out higher.

"Greatest advance in cattle feeding since stilbestrol," many feeders say Check your Ful-O-Pep man. See how you can lower cost per cwt. gain with new Ful-O-Pep Cattle-izer Beef Supplement.

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Special booking prices in effect on these feeds **now!**

- **Super Cattleizer Beef Supplement 35% with or without stilbestrol.**
- **Pro-Sweet 24% and 32% with and without stilbestrol.**
- **Sugared Schumacher Meal and Pellets.**

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Prof. Glenn Keen demonstrates how the number of square inches of loineye is determined. He is using a gadget called a "planimeter" which measures area by tracing around the boundary. Each loineye was carefully traced on a piece of parchment prior to this part of the operation. L. F. Photo.

● County Swine

(Continued from Page 1)

man, a Spotted Poland; R. L. Boyd & Son, a Berkshire

The 24 animals were slaughtered on Friday, and cut-out evaluations were done on Saturday morning at the packing plant of Kunzler & Co, Inc, Lancaster.

Carcass Evaluation

The hogs were cut up by the Kunzler employees under the supervision of General Manager, Carl Dalton Each cut from each hog was tattooed with a special number so that no breeder's names would be involved in the judging. James Martin and Earl Fisher of the Swine Ass'n. were on hand to collect the desired information They made a tracing on parchment of the loineye of each hog, and weighed the hams and loins from each animal Judge Kean. meanwhile, was recording these data as they came in, and also rating each loin for carcass quality

Although five of the original 24 animals judged on-foot were thrown out in accordance with the rules of the contest for having a live weight in excess of 220 pounds, all carcasses were evaluated Another two hogs were thrown out of final consideration because the quality of their meat was not acceptable (one of these, unfortunately, would have rated very near the top on ham-loin percentage'

The quality of the loin gives an excellent indication of the overall meat quality of the animal In evaluating for quality, Kean recorded extent of marbeling, and gave each loin a rating that ranged from ideal to soft and watery.

A sample of the backfat was taken at three different places for each animal, and an average of these three figures determined the inches of backfat.

Results

(Assuming satisfactory meat quality, winners were chosen on the basis of percentage of dressed weight made up by ham and loin weight)

1 — A Berkshire entered by R L Boyd and Son — 1 1 inches backfat, and 42 0 percent ham and loin

2 — A Spotted Poland entered by Clair Hartman — 1 3 inches backfat, and ham-loin percentage of 40 8

3 — A Berkshire entered by R L Boyd & Son — 1 1 inches backfat, and 40 8 ham loin percentage

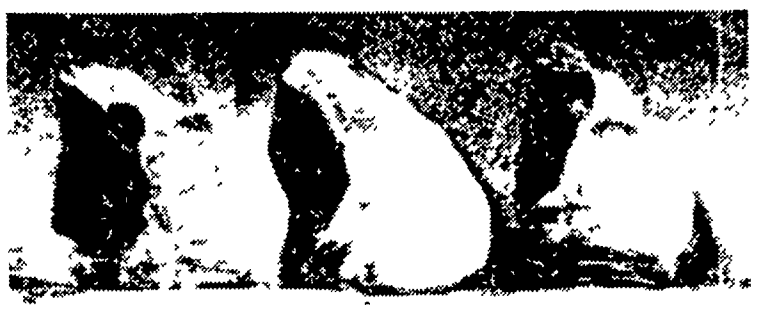
4 — A Spotted Poland entered by Clair Hartman — 1 3 inches backfat, and 40 2 ham-loin percentage

5 — A Spotted Poland entered by Warren Leminger — 1 6 inches backfat, and 40 2 ham-loin percentage.

It should be noted that although the ham-loin percentage for the second and third place hogs, and for the fourth and fifth place hogs, were identical in each case, meat quality was the factor that decided these ties.

The variation in the several measurements was not too great for backfat — 1 1 to 2 0 inches — but in loineye it ranged from 3 0 to 6 2 square inches, and for per cent ham and loin it ranged from 32 6 to 42 0 per cent

How accurately were the cut-out figures estimated on-foot?



The meat quality factor can be greatly influenced through breeding and is therefore of prime consideration to the swine breeders The above loins demonstrate quality variation From left to right they represent meat that is (1) too dark, (2) ideal, and (3) soft and watery. L F. Photo.

Backfat seemed to be the easiest factor to estimate and the judge came within 2 inches 63 per cent of the time For per cent ham-loin he was within 1 per cent of the true evaluation 37 per cent of the time The latter may seem a little low, but the influence of the amount of trim left on each cut can change the final percentage considerably. It was observed by Martin and Fisher, for example, that these figures were higher than ham-loin percentage figures found in their Spring carcass show Judge Kean underestimated the ham-loin figures 100 per cent of the time which further illustrates the effect that trim can have when a judge gets used to a certain degree of trimming

This type of hog show may seem a little too technical to the casual observer, but breeding and selection of animals is getting to be a very precise and technical business — and it will probably get more so as time goes on If the small, local hog breeder is to survive in our increasingly technical world he is going to have to adopt some scientific techniques to keep up with the large high powered organizations that have all kinds of technical and financial resources at their disposal

Trophies for this show will be awarded to the owners of the first and second place hogs at the Association's Pork Barbeque which will be held — rain or shine — at the Lampeter Fairgrounds on Saturday, October 24, 5 to 7 p m

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1. Mount in only 1½ hours
Drive-in, 2-piece mounting saves hours of preparation time.

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Saves corn you've been missing, helps unplug rolls quickly, safely.

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Bank, or new centralized lubrication, slashes get-ready time.

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Clear high trash, vines, hydraulically. Means fast, easy transport, too.

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Long, tapered gatherers, precise, on-the-go control of picker height helps get all the ears.

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Grain-tight, rubber-flight first elevator, choice of snapping rolls, and gentle action saves kernels.

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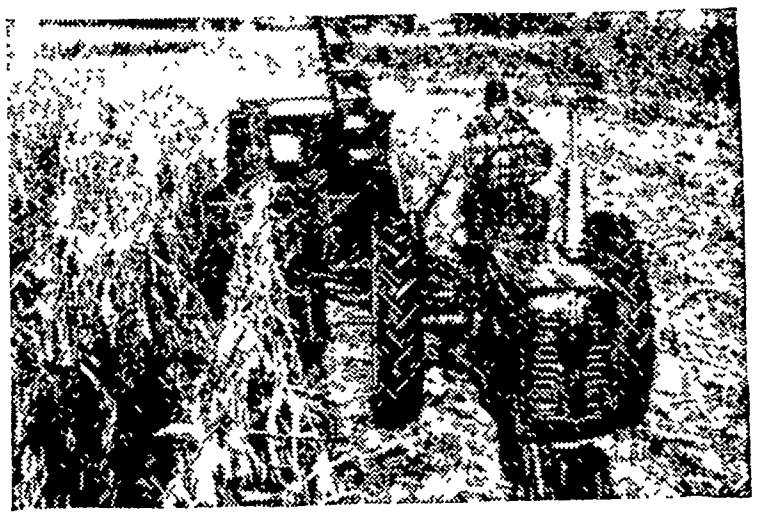
Extra-big husking bed with corn saver handles all crop conditions. Choice of regular or Minnesota husking rolls.

See us TODAY!
Discover all seven time-saving and corn-saving features for yourself with a demonstration.

Husk fast and clean with this

HUSKY ONE-ROW McCormick® 1-PR Corn Picker



Pull-type for 2-Plow or larger tractors with PTO

- Low, gentle-sloping gatherers with hinged points to save down corn
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Big 6-roll husking bed gives you capacity to do husk-clean work in the highest yields ... and pick up to 10 acres a day with this heavy-duty McCormick Model 1-PR one-row pull-type picker. What's more, the picker is built extra-sturdy to give you season on season of low-cost picking.

Find out how you can buy on the new IH Income Purchase Plan

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"Trademark" Your Cows Now

Are you a breeder of Registered Holsteins without a prefix name? Now is the time to, correct that problem by establishing your own "trademark" in the industry. The use of an exclusive first, or prefix, name in registering animals of your breeding will add a bit of pride to your accomplishments.

There are other values, too: Your prefix will be yours alone, and has considerable value in the associated activities of show ring, publicity, advertising and merchandising

Association member-breeders will be required by the Bylaws to have on file and use a prefix in naming animals for registration on and after January 1, 1965 Check page 210 of the August 10, 1964 WORLD (Herd Sire Issue) for more details.

There is NO CHARGE for reserving a prefix name.

If you do not have a reserved prefix on file in the Association office, establish one now for your exclusive use. We offer these suggestions:

1. Use a single word; multiple words may be used only when hyphenated to appear as a single word (not recommended).

2 Keep your prefix short to avoid problems in naming animals; the animal's entire name cannot exceed 30 characters and spaces.

3. Consider your own surname as a prefix if it is not already in use by someone else.

4 Coin your own prefix word from parts of your own name, geographic location, historical event, or farm feature, the possibilities are virtually limitless.

5. When requesting a prefix reservation, select several prefix words, indicating your first, second and third choices Send to —

Registry Department
HOLSTEIN-FRIESIAN
ASSOCIATION OF AMERICA
Brattleboro, Vermont 05302

1965 FEED GRAIN DIVERSION PROGRAM UNCHANGED

Minimum and maximum acreage diversion under the 1965 feed grain program will be the same as in 1964, according to Fred Seldomridge, Chairman, Agricultural Stabilization and Conservation County Committee. The minimum diversion for participation will be 20 percent of the feed grain base The maximum diversion will be 50 percent of the base or 25 acres, whichever is larger.

The Chairman explained that the diverted acreage announcement has been made early in order to help farmers, particularly winter-wheat producers, in making plans for the 1965 production season.

While the 1965 voluntary wheat program is generally similar to the 1964 program, Mr. Seldomridge said, it does provide additional advantages including a substitution feature for growers who take part in both the wheat and the feed grain programs. Releasing the feed grain diversion percentages at this time will help wheat farmers plan their use of the substitution provision.

Other specific provisions of the feed grain program, which in past years have been modified from year to year-depending on circumstances, will await more definite indications as to the outturn from this year's corn crop.

Signup for the 1965 wheat program in winter-wheat areas now is underway and will continue through October 2. Winter-wheat growers who sign up now will be able to modify their program intentions next spring at the time of signup for feed grains.

SAVINGS BONDS

Sales of U S Savings Bonds in Lancaster County for the first six months of 1964 totalled $4,734,939, it was announced by Milton H Ranck, county bond chairman.

Attend Church on Sunday.

Wm. Fisher Wins 4H Hog Roundup

William Fisher, East Earl R1, won first place in the 4-H Hog Roundup, and Grand Champion of the show Bill is the son of Mr and Mrs. Earl Fisher, and the crossbred hog he showed was bred at the Stauffer Homestead Farm where Mr. Fisher is manager.

Reserve Champion was taken by a Yorkshire shown by Larry Weaver, New Holland R1.

There were 11 entries in the show. Each youngster had fed out two, or more, hogs then selected one of these to enter in the market hog show The weight of these animals at show time ranged from 180 to 240 pounds.

The first four positions selected by Judge Harold Stewart, County Agent from Dauphin County, were Wm Fisher, East Earl R1, Crossbred; Larry Weaver, New Holland R1, Yorkshire; Darlene Herr, New Holland R2, Yorkshire; Robert Fisher, East Earl R1, Crossbred.

● Farmer Loses

(Continued from Page 1)

wide, but the new foundation will be 45 feet wide to match the incoming barn The old Hostetter barn was 100 feet long When reassembled it will have 56 feet added to it. Reist plans to stable 100 cows in his new barn, almost doubling the size of his previous herd.

It might seem that a man could rebuild a barn at less cost than he could have one torn down, shipped in and reassembled But when one considers that the timbers for the "new" barn are all pre-cut, and the frame members are all notched and ready to be assembled, there will probably be a pretty good saving in labor cost over the cost of building a new barn from scratch. In our area where farms on the industrial fringes of the cities are sometimes swallowed up, it might be practical to move a good barn to a new location in some cases rather than to build new.

FARM BUREAU

vote for BIG BARGAINS

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OCT. 1-DEC. 12

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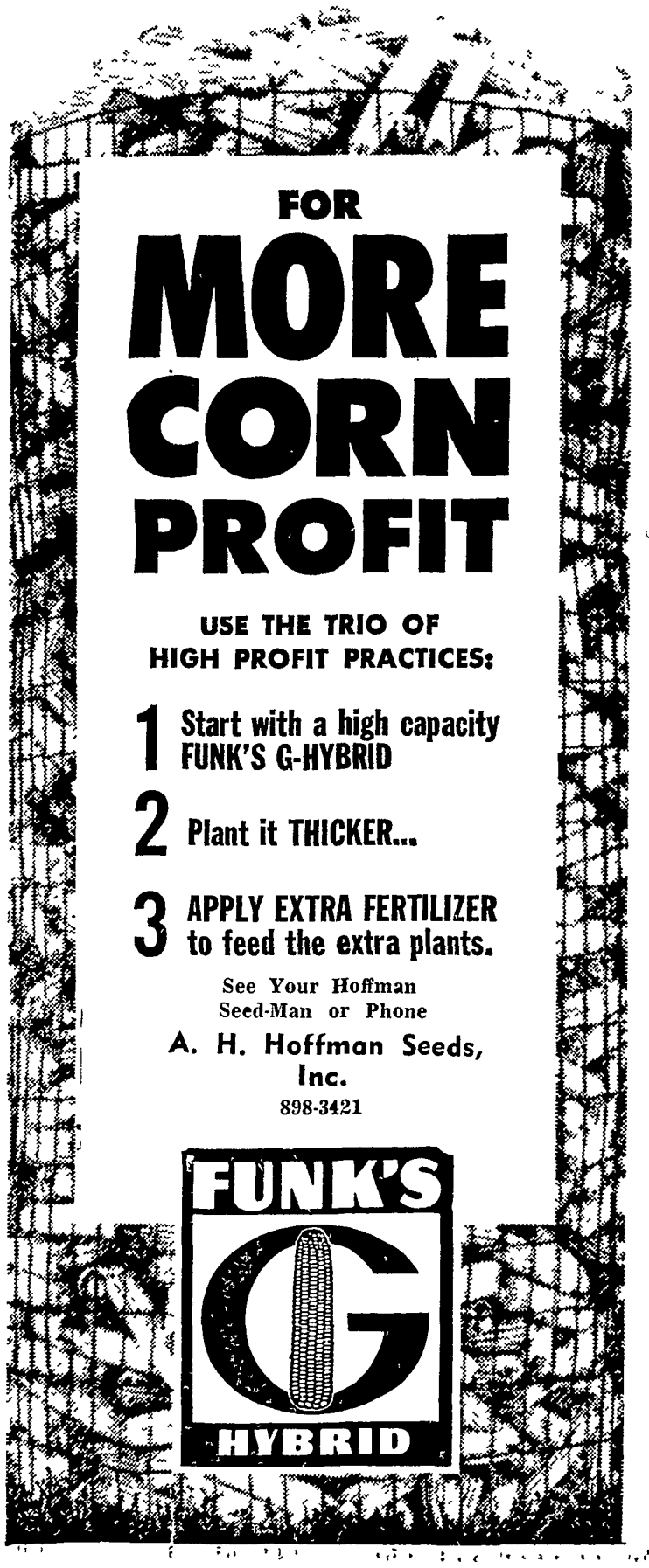
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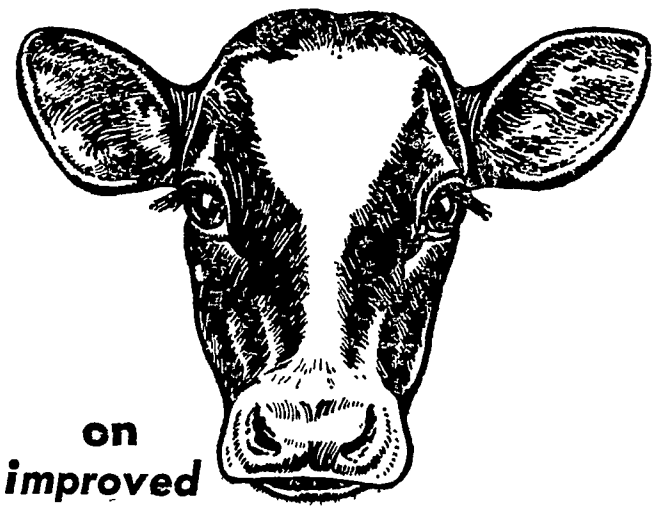

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CLEM E. HOOBER, Intercourse
MILLPORT ROLLER MILLS, R#4, Lititz
GEHMAN'S FEED MILL, Denver
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Complete automatic feeding for DAIRY COWS and CATTLE!

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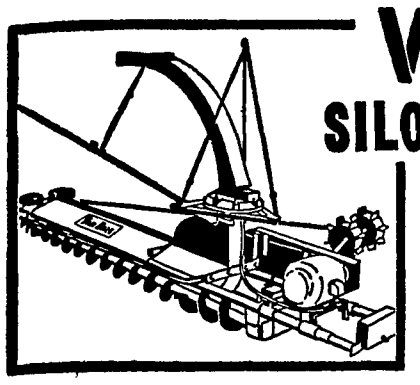
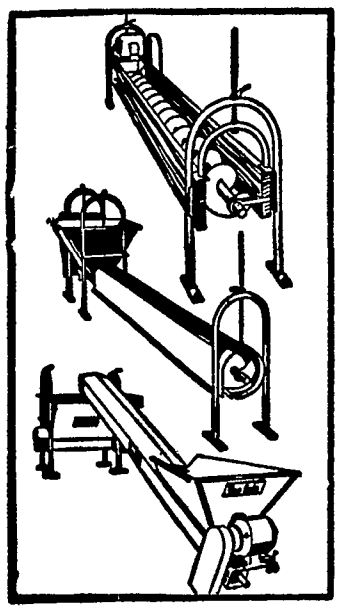


Double augers deliver more silage per minute even when silage is deeply frozen . . . and at a lower operating cost. Patented V-paddle impellers *throw* . . . not blow . . . silage down chute. Adjustable drive hubs give positive traction in all types of silage.

Three-point suspension keeps unloader level at all times.

Plus a complete line of bunk feeders to meet your exact needs



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With VanDale units you can custom build the bunk feeding set-up to fit your needs. Drive section includes hopper, drive assembly and 16', high capacity 9" auger. Additional auger sections are in 10' units and are easily coupled.

Feed-R-Flo Bunk Feeder

The new, all-metal complete feeder. High capacity 9" auger rotates within tube. Gives all-weather protection, even feed distribution, and lower operating cost.

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An important link in automatic feeding. Positioned below silo chute, the VanDale conveyor trough carries the silage to the bunk feeder. Primary section includes hopper, drive assembly, and 10', 9" auger. Additional 10' auger sections may be added.

See us for modern automatic feeding equipment

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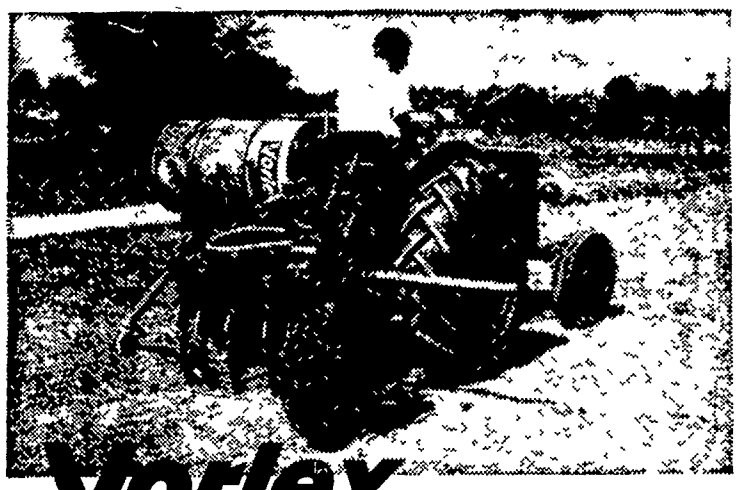

Vorlex® is *the* soil fumigant *proven* by Tobacco growers to be most effective in protecting tobacco seed-beds against *weeds*, insects, nematodes and fungal diseases. No other soil fumigant can do so much to assure you thrifty tobacco plants—insist on Vorlex fumigation.

NOW is the time to make an appointment with the Vorlex Custom Fumigator in your area. He can Vorlex-treat your beds **this fall** and—you'll be assured of *weed-free—insect-free—disease-free* tobacco seed-beds next spring.

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Ernest Lefever
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872-5144

Packers Say No To The NFO

The current livestock withholding action of the National Farmers Organization is having virtually no effect on the nation's meat supply, an official of the American Meat Institute reported Sunday (Sept 27) at the opening of the AMI's 59th Annual Meeting at the Palmer House.

J. Russell Ives, AMI director of marketing, said that the NFO was misleading farmers with claims that meat packing firms have signed contracts for livestock.

"We know of no single instance of a packing firm which has signed with the NFO," Ives said.

"Meat packers not only feel that the proposed NFO contract is unsound economically but also that they are legally precluded from entering into such a price-fixing arrangement.

"It is unfortunate that farmers are still being misled into a belief that meat packers are signing these contracts."

Ives said that current meat production is well above that immediately preceding the start of the holding action.

"The NFO leadership is misinforming its members by statements that the withholding action is effective, that meat supplies are declining and that packers are shifting livestock from market to market in order to falsify market receipts," Ives said.

"The error and the absurdity of such statements are clearly revealed by the weekly meat production figures of the U. S Department of Agriculture Total meat production in Federally-inspected plants for the week ended Sept 19 was reported at 532 million pounds, 26 million pounds above the total production of 506 million pounds during the week of Aug. 15 just before the holding action was started.

"The meat industry deplores the violence that has accompanied this senseless withholding campaign," Ives declared.

The AMI is the major trade association for the nation's meat packing industry. Approximately 6,000 meat packers are attending the AMI convention. Sessions will continue through Wednesday.

Farm-City Week November 20-26

HARRISBURG — A committee of fifty men and women from many different sections of the state will assist in developing a Farm-City Week (Nov 20 26) observance in Pennsylvania, Jack R Grey, state chairman, said recently

Grey, deputy state secretary of agriculture, said several of the committee members represent statewide agricultural or business organizations Others are from civic groups, service clubs, religious and educational institutions and governmental agencies

Grey indicated that individuals or groups in the state who are interested in promoting better rural-urban understand-

(Continued on Page 10)

Making speeches, modeling dresses and building radios are among the many activities of 4 H Club members Support 4-H during National 4-H Club Week, September 26 October 3.

FOR HEAVIER PIGS AT WEANING

Feed WAYNE TAIL CURLER

An improved, more palatable Tail Curler that speeds pigs on to heavier weaning weights faster than ever before.

Highly fortified with amazing growth stimulating powers, Tail Curler is famous for reconditioning hogs of all ages.

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New . . . announcing the greatest advance in FREE livestock care efficiency ever introduced — MYZON Dial-A-Cure" Selector! The brand new "Dial-A-Cure" Selector tells you at a glance symptoms and diseases that may affect your livestock — swine, cattle, sheep and poultry And it gives you the fast-acting MYZON *preventative* treatment or cure that assures you of healthier, more profitable animals ABSOLUTELY FREE . . . INDISPENSABLE FOR YOUR FARM, the MYZON "Dial-A-Cure" Selector is yours for the asking from any MYZON dealer.

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30 NEW GRASSES DEVELOPED

Rapid diversion to other uses of land not suitable or needed for cultivated crops is possible today because of the grassland science that emerged from the withering drought and duststorms of the 1930's, according to the U S Department of Agriculture

The duststorms, which dramatized the widespread damage from erosion, helped launch a new national program to save soil and protect renewable natural resources This program quickened interest in grass, because research, beginning in 1929, had shown grass to be perhaps the most effective agent in controlling erosion caused by wind and water runoff

In less than 30 years, 30 new grasses and legumes have been introduced into use More than 50 million pounds of seed of these plants is on the market None of these varieties could have been purchased 25 years ago, according to a report on the history of grass in the conservation movement by USDA's Soil Conservation Service

Grassland acreage on farms and ranches expanded by 189 million acres between 1929 and 1959, according to the Agricultural Census The soil conservation program and the new grasses contributed greatly to this expansion

Today, grasses and legumes for forage grow on nearly half the land area of the Nation A return of about $17 billion a year comes from livestock and poultry that eat grass, grains, hay and silage.

The U. S. Department of Agriculture said the new grasses have been largely responsible for conversion of more than 4 5 million acres in fiscal year 1963 from cropland to grass by cooperators in the Nation's nearly 3,000 soil and water conservation districts They have made possible conversion of about one million acres from cropland to grass in the Great Plains Conservation Program in designated counties of the 10 Plains States since 1956 And the new grasses also play a key role in income-producing recreation developments on farm, ranch and other rural lands.

● Farm-City Week

(Continued from Page Nine)

ing may take part in the observance.

The week-long program will open officially with a noon rally Thursday, Nov. 19, in Harrisburg in conjunction with a meeting of the Harrisburg Kiwanis Club in the Penn Harris Hotel.

Tours, picnics, dances, luncheons, banquets and other rallies will be occasions for Farm City recognitions in many places throughout the state.

SILVER MEDAL SIRE AT A.B.C.

Brattleboro, Vt. — A Registered Holstein bull owned by Atlantic Breeders Cooperative, Lancaster, has qualified as a Silver Medal Type Sire under the new plan of daughter-dam comparisons based on type classification scores.

Dibble Ideal Dictator 1303077 (VG) received the Holstein-Friesian Association of America award on the basis of 20 classified daughters with an average type score exceeding that of their dams

The new method involves daughter-dam comparisons similar to those commonly employed in gauging a sire's ability to transmit production.

Under the plan, each cow's type score is converted to a percentage of the breed average for her age group. Comparisons are drawn between the resulting figures averaged for both dams and daughters.

To qualify for the Silver Medal Type award, a sire must have daughters with classification scores higher than the breed average for animals in their age bracket.

They must also exceed "expectancy" — a point midway between the breed age average of their dams and that of the entire breed.

"Learning for living" is the theme for the 1964 National 4-H Club Week.

Mail Box Market

For Sale — 1 Wood Bros., 1 Row Corn picker; 1 Ruth 30 ft corn and hay elevator. N. H. Woodward and Son, Mendenhall, 215-388-6900.

25 trees loaded with apples for cider, with 25% or better No 1 apples. 20 used 8 ft. flock feeders Will except any reasonable offer. Phone Denver 267-5796.

For Sale — Fresh Holstein cow. Charles Schreiber, Phone 786-3438.

Wanted — Airedale dog, young. Write Box 249, R.1, Paradise, Penna.

For Sale — Champion 2 row potato digger with two practically new heavy duty webs. Kingwise potato grader. Olson roto beater in excellent condition. Phone 687-7004.

For Sale — Purebred Yorkshire open gilts. Market price plus $15. Service age boars, reasonably priced. Willow Glen Farm R. D. 1, Strasburg, Phone 786-2562.

For Sale — 11 Disc Case grain drill on steel $50; 1 h p. elec. motor $25; 2 broke Beagle dogs Phone 393-1136.

Wanted to rent — Small farm in southeastern Lancaster Co. Write Box 266 A, % Lancaster Farming, Lititz, Pa.

For Sale — Feeder pigs, brood sows and gilts. Good stock. Reasonable. Phone Lititz 626-6805.

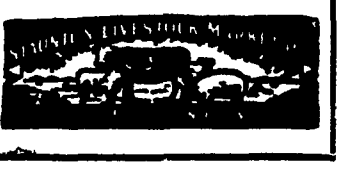
For Sale — 1 2 3 self propelled combine. Finger feed auger good cond. $375. Phone Columbia 684-8958.

For Sale — Toy Pomeranian dogs, AKC registered. Also ponies. Mrs. Julies Belser, R3. Elizabethtown, Phone 367-2267.

Interested in buying a Letz Plate mill, preferably a No. 220 portable, for handling high moisture corn. Phone 665-5728.

Since 1935 . . .
Your Dependable

SALES EVERY TUESDAY



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1 PR CORN PICKER, Rebuilt	$ 650	$ 485
WD 9 TRACTOR	2150	1985
FARMALL M TRACTOR	1150	950
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101 McCORMICK COMBINE 10 ft.	2800	2550
350 UTILITY TRACTOR & LOADER	2645	2485
W-4 TRACTOR & BLADE	560	520
OC-12 OLIVER CRAWLER (Blade and Snow Plow)	3545	2995
FARMALL CUB PLOW & CULTIVATOR	975	865
NEW HOLLAND CYLINDER SHELLER	145	95

NEW SPECIALS

No. 16 HARVESTER (with corn head)	$1935	$1865
No. 14 SIDE RAKE	495	465
No. 2A McCORMICK CRUSHER	820	745
No. 404 FARMALL TRACTOR	2700	2495
SMOKER ELEVATOR	435	395
ONTARIO HORSE GRAIN DRILL	469	449
WHEEL TYPE SIDE RAKE	385	359
No.7 FIELD CHOPPER	1285	1195
STEEL WHEEL GROVE WAGON	212.50	198

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MILK REPLACER?

A milk replacer is a formula designed to replace whole milk not grain or vegetable protein

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When nature provided for milk as the diet for baby calves, she also gave the calf a digestive system designed for digesting milk protein and lactose, but not carbohydrates such as sucrose and starch from cereal flours.

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That is why thousands of good dairymen rely on PIONEER VIG-R-CALF to makes a good calf a better cow.

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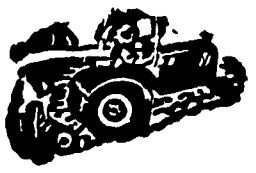

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For Sale — 1 used 200 gal. Girton bulk tank. Also used milk coolers.

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Grain Drills, 1 and 2 row mounted pull type and self-propelled Corn Pickers, Harvesters, Choppers, Silo Fillers, Disc Harrows and Stalk Shredders

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CORN PICKERS:
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2 Row IH Snapper-Mounted
1 Row IH Snapper-Mounted
1 Row JD 127-Mounted
2 Row Oliver-Mounted
TRACTORS:
Oliver "88"
Oliver "550"-Demonstrator
FLAIL CHOPPERS:
6 FC72A Gehl
5' Speedy-Direct Throw
7 MC Rotary Sythe-Dem.
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Tappen gas ranges, Norge appliances, Quaker oil heaters and bottled gas service.

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Attention Polyethylene Film Users — Largest selection of clear and black Polyethylene film in stock. From 1 mil thru 6 mil thickness From 3 ft. to 40 ft wide available. J. C. Ehrlich Chemical Co, 736 E. Chestnut St, Lancaster, Area Code 717 397-3721.

For Sale — Sawdust, also chips, delivered truck loads any quantity. Jacob R. Hershey, Quarryville, 786-3935.

RUN SPARE TIME Greeting Card-Gift Shop at home! Show friends samples of new 1964 Christmas, All-occasion greeting cards, gifts! Take orders. Earn to 100% profit. No experience needed. Try without cost! Special fund raising plans for organizations. Rush name for samples on approval. Regal Greetings, Dept. 153C Ferndale, Michigan.

Auction

ANGUS SALE — 6 bulls, 50 heifers and cows, some with calves. Also several fancy steer calves for club work. All registered with health certificates to go anywhere. Adams County Fairgrounds. Abbottstown, Friday evening, October 2, at 6.30. Auctioneer, Russell E Kehr. Sponsors, Pennsylvania Angus Association and Brandywine Angus Association.

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Babcock B-300—A high speed layer featuring excellent livability and good early egg size.

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Both of these strains perform well in either cages or high density floor operations.

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For Sale — DeKalb started pullets. Phone DeKalb York Hatchery, York 8-1770 or DeKalb District Sales Office, Lancaster 394-5157.

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New Musser Leghorn FARMS PULLET
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ATTENTION: Dairy Farmers — just received 200 close and fresh cows from Wisconsin — 1st and 2nd calf heifers — Holsteins, also some 3rd calf cows. Artificial animals, bred for high production. Drop us a card and we will come see you at your farm for arrangements or give us a phone call. Cash or credit. I. GREENBURG & SON, Mount Holly, N. J. Telephone — AMherst 7-1101 Code 609.

For Sale — Seed wheat, Redcoat and Dual and Rye. Brooklawn Farm, Neffsville. Phone 569-1580.

For Sale — 2 bull calves from very good 87 point cows. Sired by Black Gold and Dictator. Record on Dam up to 20,000 lbs. milk, 800 lbs. fat. Harold Umble, Atglen, Pa. Phone 593-6261.

Help Wanted

Help Wanted — Full time job for appliance technician or general mechanic, age no handicap. We want your experience Apply in person or in writing. No telephone applications. Bard's Hardware, Leola, Penna

Real Estate

Estate Farms For Sale — 158 Acre Farm in Snyder County, Pennsylvania, and 300 Acre Farm in Center County, Pennsylvania. For particulars write Clan Groover, Esquire, B. V. Shopping Center, P. O Box 110, Mifflinburg, Pennsylvania.

MARYLAND BEEF CATTLE PRODUCERS, INC.
12th Annual
FALL FEEDER CATTLE SALE
1:00 p. m., Thursday, October 8, 1964
Baltimore Livestock Auction Market, Inc.
West Friendship, Maryland
Intersection U. S. Rt. 40 & Md. Rt. 32.
25 Miles E. of Frederick, Md.
1400 STEERS & HEIFERS
ANGUS HEREFORD SHORTHORN

- All steer calves grading "Fancy" will be sold individually.
- All animals meet health requirements for interstate shipment.

For additional information contact: Amos R. Meyer, Dept. of Markets, University of Maryland, College Park, Maryland.
Auctioneers: Col Stan Haworth — Col. Charles Bachman

SPECIAL
FEEDER STEER SALE

JOHNSON CITY LIVESTOCK MARKET

Friday, October 9

Calf Sale, Friday, October 16

All cattle will be State graded and sold according to weight and quality.

1500 HEAD EACH SALE

Cattle will be weighed-in day of sale and sales will start at 7:30 P.M.

For further information contact Johnson City Livestock Market, Wed. and Thurs., at Johnson City, Tennessee 926-3933.

PUBLIC SALE
— of —
REAL ESTATE
Farm Equip. - Household Goods

Location: One-half mile west of New Providence and Route 222, Providence Township, along hard road from New Providence to Refton, Pa.

Saturday, October 17, 1964

Reeal Estate consisting of approximately 60 acres, (which is nearly all tillable) High state of cultivation. Plenty of frontage. Frame Dairy Barn with 3 stall milking parlor, room to tie 22 cows, block building adjoining, milk house, 10 x 30 concrete stave silo, tobacco shed, 2-car garage, other outbuildings, 2 wells.

8-ROOM FRAME HOUSE

Bath, Hot Water Oil Heat. Farm situated in nice location. Would make nice place to live.

EQUIPMENT AS FOLLOWS: Oliver 77 (electric lift) good rubber, cultivator; Ford Tractor, good rubber, cultivator and No. 6 Massey-Harris Mower; Little Genius Plow; Rubber Tire Wagon; 2-Wheel Trailer; New Idea Spreader; Case 1-Row Corn Picker; Disc; Spring Harrow; McD. Corn Planter; Ontario 10-Disc Drill; 2 Horse Wagon; Conestoga Wagon Bed; Corn Sheller; Iron Water Troughs; Forks; Tools, etc. Surge 1-Unit Milker, pump; Rite-way Unit; 4-Can Esco Cooler; 6 Milk Cans. Mixed Hay; Alfalfa Hay; Corn; Straw by the ton.

1956 Bel-Air Chevrolet 4-Door Sedan, Good Condition
1954 International ¾-Ton Pick-up with Cattle Racks

ANTIQUES

Plank Bottom Settee, Wood Box, Flour Chest, Dough Tray, Plank Bottom Rocker, Chests, 6 Plank Bottom Chairs, Dry Sink, Jelly Cupboard, Boston Rocker, Marble Top Dresser; Cherry Drop-Leaf Table, Side-Boards, Parlor Set, Old Secretary, Child's Bed, Beds, 2 Oak Extension Tables, Copper Kettle, Small Iron Kettles, Oil Lamps, Old Bibles, Books, Bookcases, Toilet Set, Pictures, Quilts, Singer Sewing Machine, Dishes, Nic Nacs, Milk Glass.

Jars, Pans, Plants, White Electric Sewing Machine, Universal Electric Stove, G. E. Refrigerator; Kelvinator Freezer, Metal Wardrobe, Green Plastic Rocker and other articles too numerous to mention.

Sale at 11:30 A.M. Real Estate at 2:00 P.M.

Auctioneers:
Carl Diller
J. Everett Kreider

By
MRS. JACOB H. WITMER

LUNCH BY NEW PROVIDENCE SEWING CIRCLE

Frey, High Cow & Herd - DHIA

The Red Rose Dairy Herd Improvement report for the month of August showed that a registered Holstein owned by J Mowery Frey, Lancaster R7 completed the highest 305-day lactation during the month, and that Frey's herd had the highest monthly butterfat average

Rae, a four-year old in the Frey herd, completed her lactation with 25,743 pounds of milk and 1,168 pounds of butterfat, with a 4 5 per cent test

The butterfat average for the Frey herd for the month was 63 pounds with a 4 1 per cent test

The second high lactation was completed by a cow owned by Elam P Bollinger Manheim R1 Paula B, a six-year old registered Holstein, produced 24 171 pounds of milk and 937 pounds of butterfat with a 3 9 per cent test in 305 days

The second high butterfat herd average completed during the month was the herd owned by John M King, Ronks R1 These registered Holsteins averaged 1,590 pounds of milk, 62 pounds of butterfat, with a 3 9 per cent test

Seeding Wheat? Watch Fly Dates

According to County Agent M M Smith there are still some wheat growers in the county who are using such varieties as Pennoll and Seneca These varieties are susceptible to damage by the Hessian Fly and should not be planted before October 10, or till after a killing frost

Susceptible wheat planted before a killing frost may be severely damaged by Hessian Fly maggots The mature flies lay their eggs on young growing plants especially wheat in August and September Maggots hatch from these eggs in a few days and start feeding on the plants Those maggots that have developed to the pupa stage before cold weather begins, develop into mature flies Less mature ones are killed by the first heavy frost, but not before they have caused extensive damage to the host plants This damage can mean severely reduced yields the following year

Fortunately, most of the wheat planted by county farmers is resistant to the Hessian Fly Red Coat and Dual are two such varieties These may be planted anytime

NEW PRODUCT KILLS ODORS

ODORASE a new product which completely eliminates odors caused by the decomposition of manure and other organic matter is now being marketed nationally by Anderson Box Company

ODORASE is a powerful antioxidant enzyme-bacterial conversion digestant, formulated in a water soluble powder When mixed with water, ODORASE is sprayed on odor producing areas Safe and economical ODORASE reaches its highest peak of efficiency in warm, moist weather when odors are at their worst

ODORASE is sold on a money back guarantee Complete information can be obtained by writing Anderson Box Company, P O Box 1052 Indianapolis, Indiana.

Quo Vadis? (Whither art thou going?)

No point in planning the future unless you know something about the present!

****

Let's get going on good records such as these —

RECORD OF FLOCK

FLOCK No. _____

STARTED _____

OWNER _____

ADDRESS _____

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SECOND SECTION

Forage Insect Control

New Rulings on Forage Crop Insecticides

Recent action by the U.S. Department of Agriculture and the Food and Drug Administration have made it illegal to use either Dieldrin or Heptachlor on hay crops These two materials can no longer be used as sprays, dusts, granules, or fertilizer-insecticide combinations on alfalfa or any other forage crop Both fall applications and spring applications are NOT permitted because of the residue which would appear in milk and meat. Thus, there is no legal and effective material which can be applied this fall to control the 1965 alfalfa weevil and spittle bug problems.

The legal residue level of insecticides in milk remains at zero The present confusion

(Continued on Page 17)

1964 Corn Loan Rate Set

Price-support loans for the 1964 corn crop will average $1 27 per bushel in Lancaster County, Fred Seldomridge, Chairman, Agricultural Stabilization and Conservation County Committee has announced This compares with 1963-crop loan rate of $1.23 per bushel for the County. Part of the increase in the 1964 rate results from adjustments made in order to more nearly reflect historical prices received by farmers

The 1964 loan rate, plus a price-support payment of 15 cents a bushel, gives a total price support average rate of $1 42 per bushel for 1964-crop corn in the County While the loan rate varies according to the grades and qualities of individual crops, the price-support payment per bushel is the same for all farms.

The average county loan rate of $1.27 per bushel is for 1964-crop corn grading No. 3, or No. 4 on the factor of test weight only but otherwise grading No. 3 except for moisture. Premiums and discounts for other grades and qualities are unchanged from those in effect in 1963.

The Chairman reminded growers that price support on the 1964 crop of corn will be available only to farmers participating in the 1964 feed grain program.

The price-support program for corn will be carried out through farm- and warehouse-stored loans, purchases, and price-support payments. Loans will be based on eligible actual production, while the price-support payments of 15 cents per bushel will be on normal production of the harvested acres.

Application for price-support loans and purchases may be made at the ASCS County Office through May 31, 1965. Unless demand is made sooner, loans will mature on July 31, 1965.

PENN STATE OFFERS NEW AGR. MECH. STUDY PROGRAM

The College of Agriculture at The Pennsylvania State University has begun a new four-year program of study called agricultural mechanization.

Started this Fall at University Park, the training prepares students for technical advisory service and for sales and management positions in firms supplying energy, buildings, and equipment for mechanized agriculture. The new major is offered by the department of agricultural engineering.

"Our objective in this new major is to fill the need for well-trained persons with a knowledge of farm buildings, power, and equipment — supplemented with background in basic agriculture and business," states Jerome K. Pasto, associate director of resident education in the College of Agriculture

Dr. Pasto reports opportunities for careers in agricultural mechanization are many and varied Specific types of employment include work as field representatives for companies or associations, farm service advisors for power suppliers, service and sales agents for companies and dealers, and public relations personnel.

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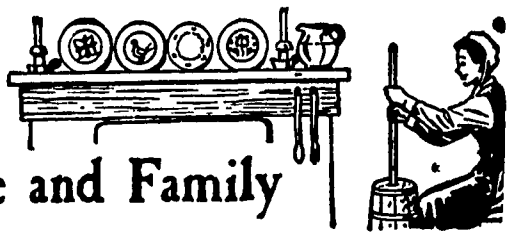

For the Farm Wife and Family

FISH FOR FUN

By Mrs. Richard C. Spence

SPENCE

Fish makes a versatile and nutritious entree anytime of the year. Quick and easy to prepare, these dishes will appeal to both you and your family — and guests will praise you for your culinary ability. A nourishing "quickie" for a quiet evening at home would be this Egg Surprise. It's a crisp roll spread with crabmeat, topped with a poached egg and cheese. It takes only minutes to prepare. With the canned and frozen fish available at most any grocery counter these days, fish is no longer a seasonal food. Have fun trying various fish recipes; you're bound to find something your family will enjoy!

EGG SURPRISE

1 6½ ounce can crabmeat, flaked
¼ cup mayonnaise
1 teaspoon salt
¼ teaspoon pepper
¼ teaspoon tarragon
4 holland rusks
4 eggs
4 slices pasteurized process American cheese

Combine first five ingredients. Put one quarter of the mixture on each Holland rusk, then place on baking sheet. Broil under medium heat until mixture bubbles and browns slightly. Meanwhile, poach 4 eggs. Place an egg on top of the crabmeat mixture. Cover with a slice of process American cheese and broil until cheese melts. Serve immediately. Makes 4 servings.

* * *

CLAMS CASINO

2 dozen fresh cherrystone clams
½ cup chopped onion
1 clove garlic, crushed
½ cup chopped green pepper
¼ cup chopped pimiento
⅛ teaspoon tabasco
1 cup saltine cracker crumbs
1 egg, beaten
¼ cup melted butter or margarine
8 strips bacon, cooked and drained

Remove clams from shells. Save and wash shells Cook clams in boiling water 10 minutes. Reserve small amount of liquid clams were cooked in Drain and chop clams. Mix with next five ingredients and ¾ cup of cracker crumbs Stir in beaten egg, melted butter and enough clam liquid to moisten Spoon lightly into clam shells Sprinkle with remaining crumbs Break bacon into about 1 inch pieces. Top each clam with pieces of bacon Bake in a moderate oven (350 degrees) 15 to 20 minutes Serve immediately.

SHRIMP WITH HERB SAUCE

2 14-ounce packages frozen shrimp, thawed
1 cup cracker meal
2 eggs, slightly beaten
1 pint sour cream
1 teaspoon tarragon
1 teaspoon thyme
¼ teaspoon salt
¼ teaspoon paprika
⅛ teaspoon garlic powder
Parsley to garnish

Dip shrimp into cracker meal; then dip into beaten egg and coat again with cracker meal. Fry in deep fat until golden brown Heat sour cream with next five ingredients in top of double boiler. Do not allow sauce to boil. Serve sauce with shrimp garnished with parsley. Makes 4 to 6 servings

* * *

SWEET AND PUNGENT SHRIMP

1 cup water
¾ cup brown sugar
¼ teaspoon prepared mustard
1½ teaspoons salt
½ cup vinegar
1 cup catsup
2 tablespoons soy sauce
1½ cups cheese cracker crumbs
1 green pepper, sliced
1 onion, thinly sliced
2 pounds cleaned and cooked shrimp
1 can pineapple chunks and syrup

Combine first 10 ingredients and simmer 10 minutes. Add shrimp and pineapple Refrigerate at least overnight or longer to enhance flavor Just before serving, heat to bubbly hot Serves 6

SARDINE SPECIAL SANDWICHES

1¼ cups condensed cream of celery soup (10½ ounce can)
½ cup water
1 medium onion, sliced
12 slices white bread, toasted
6 1-ounce slices process Swiss cheese
18 oil-packed large Maine sardines, well drained (about 4 4-ounce cans)
French fried onion rings, heated (3½ ounces)

Preheat broiler. In a saucepan blend together soup and water; stir in onion slices. Heat soup to boiling and simmer gently uncovered, 10 minutes. Meanwhile, cover 6 toast slices with cheese. Place 3 sardines on each of remaining slices. Place all slices on large ungreased baking sheet. Broil until cheese melts. Cover sardines with cheese-covered bread slices, cheese side down. Spoon soup mixture over sandwiches. Garnish with hot French fried onion rings.

* * *

SHRIMP IN CHEESE SAUCE

2 tablespoons butter
2 tablespoons regular, all-purpose flour
1½ cups milk
¼ teaspoon salt
1 teaspoon Worcestershire sauce
2 cups (1 pound) cooked, cleaned shrimp
1½ cups (10-ounce package) frozen peas, cooked and drained
1 teaspoon lemon juice
1 cup (4 ounces) shredded Cheddar cheese

In a 2-quart saucepan melt butter; blend in flour. Remove from heat; gradually add milk. Return to heat and cook over medium heat, stirring constantly, until mixture thickens and comes to a boil. Reduce heat to low; cook 2 minutes. Add salt, Worcestershire sauce, shrimp, peas and lemon juice. Heat to serving temperature. Just before serving add Cheddar cheese and stir gently until cheese is melted. 6 servings.

* * *

BAKED STUFFED FISH

1 medium onion, chopped
¼ cup butter or margarine
2 packets Waverly Wafers, crushed
2 tablespoons grated lemon rind
3 tablespoons lemon juice
2 teaspoons paprika
½ cup commercial sour cream
2 to 3 pound whole fish,

(Continued on Page 15)

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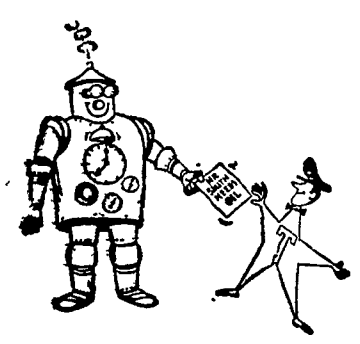

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● For The Farm Wife

(Continued from Page 14)

prepared for baking
2 tablespoons melted butter or margarine
Salt and pepper.

Saute onion in butter or margarine until tender. Combine with cracker crumbs, lemon rind, lemon juice, paprika and sour cream. Pack into cavity of fish, place in greased baking dish. Brush with melted butter or margarine and sprinkle with salt and pepper. Bake, covered in moderate oven (350 degrees) 45 minutes or until fish flakes easily when touched with a fork. Makes 4 to 6 servings.

* * *

SEAFOOD THERMIDOR

1 can (4 ounces) sliced mushrooms, drained
1 tablespoon butter or margarine
1 cup diced cooked lobster (or 6½ ounce can, drained)
1 can (10 ounces) frozen condensed cream of shrimp soup
¼ cup milk
¼ teaspoon dry mustard
Dash cayenne pepper
Grated Parmesan cheese
Paprika

Brown mushrooms in butter in pan. Add lobster and cook a few minutes. Stir in soup, milk, mustard, and cayenne Heat slowly; stir often until soup is thawed Spoon lobster mixture into 3 individual baking dishes. Sprinkle cheese and paprika on top. Bake in a hot oven (400 degrees) about 15 minutes. Makes 3 servings.

Fifty-two per cent of 4-H Club members now come from urban or suburban homes.

FARM WOMEN SOCIETY NO. 3

The Society of Farm Women Group No. 3 entertained the Lincoln 4-H Sewing and Cooking Clubs. In turn, the 4-H clubs were the entertaining feature at the monthly meeting in the Social Hall of the Salem Lutheran Church, Lincoln Miss Alva Stuber was hostess.

Mrs. Harold Stuber, leader of the sewing club, talked on "What it means to belong to a 4-H Club."

Nineteen members of the Sewing Club demonstrated the form of their regular meeting. Their president, Linda Strubber, presided, and Secretary Margaret Hainley read the minutes.

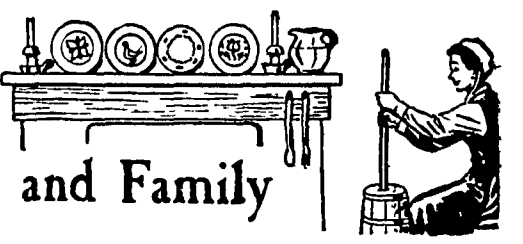
Mrs Dorothy Fry introduced Linda Stuber and Agnes Ulrich, members of the Cooking Club. They spoke on "Outdoor cooking over live coals." A fashion show was given by the girls of the Sewing Club.

During the business session a report was read from the Cancer Society acknowledging receipt of 479 dressings and three bed jackets during the year.

Bananas, oranges and cookies were taken to the guests at the County Home this past week by the committee Also, final arrangements for serving food during the week of the Ephrata Fair were made.

During the social hour music was supplied by several of the 4-H members, and refreshments were served by the hostess.

The October meeting will be held on the 19th at Noon at the Social Hall of the Salem Lutheran Church, Lincoln.



For the Farm Wife and Family

Ladies, Have You Heard? . . .

By: Doris Thomas, Extension Home Economist

THOMAS

Some Things A Household Inventory Can Do For You

An inventory will reveal the approximate value of all your household possessions It might spotlight the need for more insurance against fire, theft, or any of the other hazards that can befall a household. The more detailed and accurate the inventory, the better adjustment you'll get should disaster strike.

An inventory reveals good buys and poor ones, helps in planning future expenditures, and helps you in thinking about and making better plans before buying.

Most inventory forms have a column for the approximate date you bought each item, its cost including installation, and its present value. The guide for setting present value is to base the value on the cost of replacement today, divided by the number of years you've used the item

After you've made your inventory, keep it in a safe deposit box, and review it at least once a year to bring it up to date.

Worth Knowing

Bacon squares are pork cut from the jowl and cured and smoked Bacon squares may be sliced and fried or broiled until crisp Or they may be simmered or baked with beans or other vegetables as seasoning.

The enrichment of flour and cereal adds about one-third more thiamine, one-fifth more iron and niacin, and one-tenth more riboflavin to the Nation's diet than would be available if these foods were not enriched

Vanilla is still the favorite flavor in ice cream in the United States Vanilla ice cream sales exceed all other flavors combined Chocolate is second and strawberry third.

Have You Thought of These Ways to Use the Timer?

Set the built-in- timer on your range or a separate movable one to remind you to do various jobs, such as take the roast out of the freezer to thaw, make a phone call at a specific time, or when to leave for shopping

The timer is handy for regulating children's activities, such as how long to watch television, when to put their *toys away, when to leave for the school bus, and many other activities during the day.*

Use the timer for short-time cooking on top of the range, and to remind you to turn the meat during broiling.

Some Tips on Potato Storage

Potatoes need more careful storage than you think Potatoes keep best in a dark, dry well-ventilated place with a temperature about 45 to 50 degrees

In a warm place, potatoes shrivel and sprout, in a cold

(Continued on Page 16)

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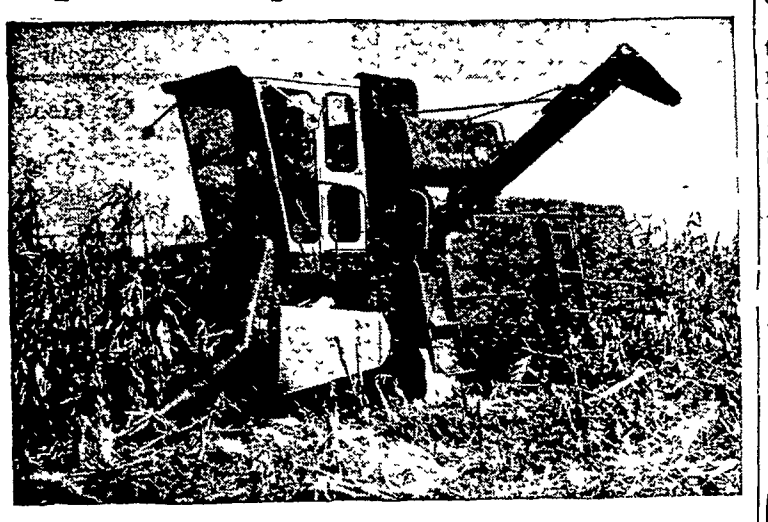

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4-H Club News

COUNTY LIVESTOCK JUDGING TEAM COMES HOME A WINNER

At the Atlantic Rural Exposition held in Richmond, Va. on Monday in conjunction with the State Fair of Virginia, the Lancaster County 4-H Livestock Judging Team placed first among eight entries.

The county team represented Pennsylvania and achieved a score of 1628 points. The next nearest rival was Virginia with 1625 points.

The team from Lancaster county consisted of John Frey, Quarryville R2; Eugene Hosler, Manheim R3; Kenneth Rutt, Quarryville R2; Larry Weaver, New Holland R1.

In the individual placings John Frey finished first, and Kenneth Rutt, fourth for Pennsylvania.

In the Poultry Judging the county team composed of David Heisey, Sheridan R1; Charles Warfel III, Conestoga R2; Virginia Wivell, Columbia R1, and Dennis Allen, Quarryville R2, gave Pennsylvania third place in a five-state entry.

Virginia Wivell placed third for Pennsylvania on individual ratings with Maryland taking first and fourth and the State of Virginia placing second and fifth.

WINNERS IN DISTRICT HORSE SHOW QUALIFY FOR STATE SHOW

At the District 10, 4-H Horse Show, held last Saturday at Ludwigs Corner in Chester County, five Lancaster County club members qualified for the State Horse Show finals at Harrisburg, November 13-14.

Those qualifying were Miss Anne Hinerdeer, 750 Kayo Ave., Lancaster; Ronald Roether, Manheim R3; Miss Anna Binkley, Quarryville R3; Miss Cindy Lou Hamill, Quarryville; and Michael Shoemaker, Quarryville R2.

Good Luck at Harrisburg!

PENN MANOR 4-H CLUB

The last regular meeting of the Penn Manor 4-H Club was held on September 22, at the Stehman Church Pavilion.

The feature of the program was a treasure hunt. Members responded to roll call by introducing their parents since it was parents' night.

In the business session it was decided to have a Halloween Party. Winners in the ticket-selling contest were Connie Stehman, 45 tickets; Linda Porter, 20 tickets; Donna Kauffman, 17 tickets.

Following the business session two films were shown called "Big Game Holiday" and "Seal Hunt."

The closing feature was a doggie roast.

BOOSTER NIGHT OBSERVED AT FULTON GRANGE

Fulton Grange #66 observed Booster Night September 28 by holding a covered dish supper. Gyles H. Brown, Master, presented Silver Star certificates and twenty-five year membership pins to Mrs. Albert Stubbs and J. Collins McSparran. Harry W. Ecklin was presented with a sixty year certificate and pin.

Dr. Paul H. Ripple, Lancaster, showed colored slides of mission stations, hospitals, etc. and moving pictures of a safari he took in Africa in 1961.

Installation of the newly elected officers will be held at the next meeting October 12.

Fulton Grange was first place winner with their float in the best appearing farm group at the Southern Lancaster Co. Community Fair, September 18.

Lancaster Co. Pomona Grange will present the fifth degree at Fulton Grange Hall October 7, 8 p.m.

The Pa. State Grange will hold a special session to present the sixth degree at the Owen J. Roberts High School, Pottstown, Chester Co., Sat., Oct. 17, 8 p.m.

The Pa. State Grange annual session will be held Oct. 26-29 at Wellsboro, Pa.

The National Grange Convention will be held Nov. 8-18 at Atlantic City, N. J.

● Have You Heard?

(Continued from Page 15)

place the starch in them turns to sugar. If the flavor of stored potatoes becomes too sweet, move them to a room-temperature storage place for a week or two.

If you don't have a storage area that is dark, dry, and well-ventilated with a 45 to 50 degree temperature, it's wise to buy only the quantity of potatoes you can use within a short time.

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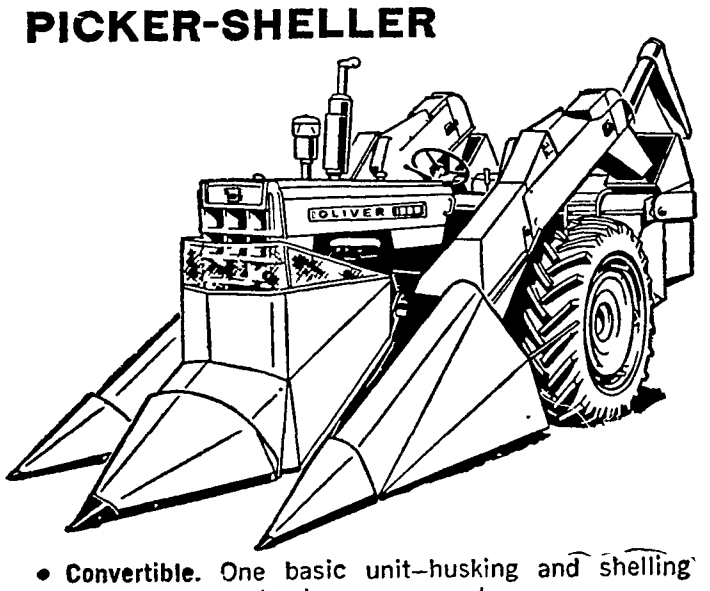

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KI 8-2376
Peach Bottom, Pa.

At The Manheim Fair

See L. H. Brubaker's Exhibit

New Model ED40 Diesel

Allis Chalmers Tractor

New Model 190 Allis Chalmers Tractor

- New Starline Galvanized Side Spreader
- Electro Magic Steam Cleaner
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(Continued from Page 13)

has resulted from the development and use of more sensitive methods of detecting traces of insecticides. Until advised differently, keep all dieldrin or heptachlor applications off hay and pasture fields to avoid the residue problem, which could result in condemnation of your milk and animals.

Recommended Insect Control On Alfalfa and Red Clover For 1965

The alfalfa weevil and spittlebug problems will have to be controlled next spring, by applications of Guthion, Methoxychlor, or Malathion — applied in early May, 1965.

Webworm on New August, 1964 Alfalfa Seedings

Although dry weather has prevented practically all new seedings from germinating, there is still a possibility that moisture will develop in time to get the new seedings established. If and when the new alfalfa seedings get up, they will be subject to possible feeding by the alfalfa webworm. The webworm has been present in past years and damages the stand by eating the young plants off at the soil level, which results in thinning out the stand. At the first sign of damage, we recommend that the new August seedings be sprayed Most effective treatment would be 1 quart of 25% Parathion emulsion per acre Also effective is carbaryl (Sevin) at rate of one pound active ingredient per acre, which would be one quart of Sevin 4 Flowable or 4/5 quart of Sevin 5 Aqua per acre Parathion will provide quicker kills, but Sevin will have longer residual toxicity. Be sure to follow precautions when using Parathion For effective control, use at least 20 to 25 gallons of spray per acre and apply at first sign of injury

Methoxychlor and Malathion would give fair control of webworm, but not be as effective or probably as cheap as Parathion or Sevin.

LARGER POTS FOR PLANTS OUTDOORS

Here's a gardening suggestion for your growing house plants. Extension flower specialists at The Pennsylvania State University, say, when moving house plants outdoors, double-pot them in larger clay pots lined with peat moss This gives them a topple-resistant base and helps them to hold constant moisture during the

PEAR TIME AT SHANK'S Bartlett PEARS

and choice new pear varieties — PEARS FOR EVERYONE

WHOLESALE AND RETAIL — BRING YOUR OWN CONTAINERS

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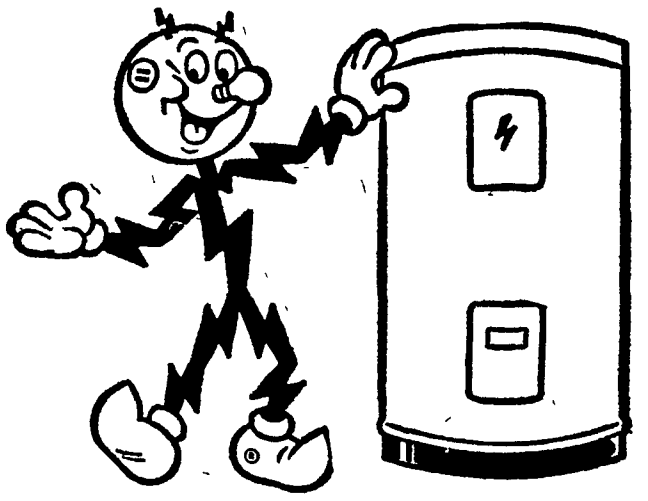
See Us At Central and Southern Markets and Root's Auction

Now you can RENT an AUTOMATIC *FLAMELESS* ELECTRIC WATER HEATER

for only $1.75 a month

(Includes normal installation and all maintenance costs . . . does not include cost of electricity)



Flameless

No Vent Necessary

Installs anywhere

See any electric appliance dealer or plumber participating in the plan or call at your nearest PP&L office. You'll get a 50-gallon, glass-lined, quick-recovery electric water heater so that you can have all the hot water you need, when you need it . . . electrically. Provides well over 400 gallons of 150-degree water every 24 hours.

If the installation requires a change from a 2- to 3-wire, 100-ampere service, PP&L will pay up to $100 for the conversion, provided you install either an electric range or a 240-volt electric clothes dryer at the same time.

The $1.75 monthly rental will be added to your regular customer service bills.

OFFER EXPIRES DEC. 31, 1964

PP&L
AN INVESTOR-OWNED ELECTRIC UTILITY IN THE SERVICE OF THE PUBLIC

This Cow Produces A Lot Of Milk!

She is a 3061 Sequoia daughter with these outstanding production records (actual - 2X):

2- 6y	365d	19,318	763
3- 8y	330d	22,082	904
4-10y	305d	22,801	813

Service to her sire is available daily by calling —

Lancaster 569 0411
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Quarryville 786-7381
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ATLANTIC BREEDERS COOPERATIVE

Breeders' Award To Wenger Herd

Nine Pennsylvania breeders have qualified for the Progressive Breeders' Award — the highest recognition attainable by a breeder of Registered Holstein cattle.

The Holstein-Friesian Association of America has accorded this honor to only 586 Holstein breeding establishments, including 62 in Pennsylvania.

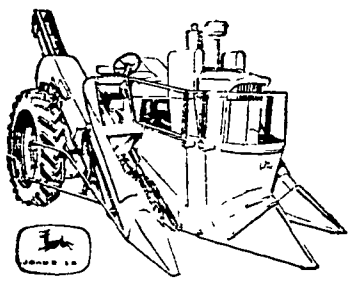
To qualify for the Progressive Breeders' Award, a Holstein breeder must meet strict requirements in all phases of dairy cattle breeding and management, including production, type improvement, herd health and the development of homebred animals.

Of the nine qualifying breeders in Pennsylvania, the only one from Lancaster County was the Arthur D. and Mary K. Wenger farm at Manheim. The Wengers qualified for the third time.

A certificate of this award has been sent to these breeders by the Holstein-Friesian Association of America, national organization of the Holstein breed representing over 42,000 members.

At meetings of Holstein breeders from their areas, bronze plaques signifying the award will be presented to those qualifying for the first time and bronze year plates will be presented to those breeders whose herds have qualified previously to be added to the bronze plaques awarded to them when their herds first achieved the honor.

BUY NOW and SAVE!



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227 PICKER

Special Low Prices

Landis Bros., Inc.

1305 Manheim Pike (1 Mile North of Lanc. on Rt. 72)
Lancaster, Penna. Ph. 393-3906

19th Annual

Yearling Cattle and Calf Sale

Friday, October 9th, 1964

1:00 P. M. DST

1000 Steers and Heifers 1000

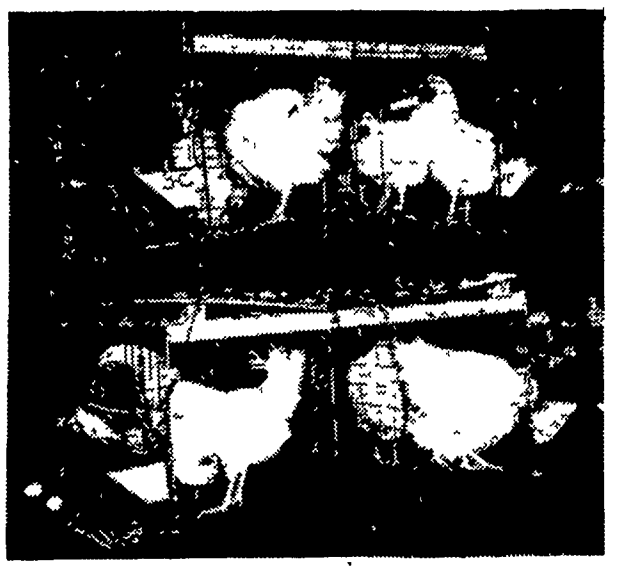
All Native Cattle

BLUE RIDGE LIVESTOCK SALES, INC.

Billy F. Owens, Mgr.

Phone 274 Charles Town, W. Va.

Poultry Equipment Is Our Business



Cages Are Our Speciality

If you compare, your most profitable results will come from "BEACON STEEL CAGES" — Quality designed with the poultrymen in mind.

We also specialize in all types of equipment for any poultry operation.

Expert advise on conversions — large or small — leave the engineering to our experienced staff.

We sell, service and stock the top lines of poultry equipment. Call or write today for any information you may desire.

SEE OUR EXHIBIT AT BOOTH #28 and #29
AT THE 1964 NEPPCO EXPOSITION

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"Pioneer of Laying Cages"

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MR. and MRS. PAUL KIEHL
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Flameless ELECTRIC HOME HEATING

Mail to Your Local District Office of 27
PENNSYLVANIA POWER & LIGHT COMPANY

We would like to know more about FLAMELESS ELECTRIC HOME HEATING. Please have a home heating specialist visit our home soon.

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Trade in your flame-type heating system and get:

$150 allowance for regular home heating system
$100 allowance for mobile home heating system
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Switch to flameless electric home heating and let the trade-in allowance on your old-fashioned heating system pay part of the cost.

This offer is good only through your Reddy Kilowatt Recommended Electric Home Heating dealer. (Call PP&L for the name of one near you.) He'll also guarantee the operating cost of heating your home electrically for the first two years at PP&L's special total electric living rates...now nearly 1/3 lower than they were just three years ago.

PENNSYLVANIA POWER & LIGHT COMPANY

FARM WOMEN SOCIETY #18

Farm Women Society #18 met at the Manheim Auto Auction cafeteria recently; Farm Women Society #14 were guests.

Mrs. Willis Esbenshade, President, was in charge of the meeting, and Devotions were led by Mrs. Christ S. Greider.

A contribution of $10 was made to the United Campaign, and $15 to the Needlework Guild.

Entertainment was provided by Mr. Michael Kemp, magician, of Lancaster.

The next meeting will be held at the home of Mrs. Christian Shenk, 880 Dorsea Road, Lancaster, 6:30 p.m.

Project HOPE has earned endorsements from Presidents Eisenhower, Kennedy and Johnson, who has said: " . . . they (the people of HOPE) demonstrate for all the world a simple exercise in the brotherhood of man."

Bull Opens New Field Office

HARRISBURG — A new field office was opened by the Pennsylvania Department of Agriculture Tuesday, Sept. 29, in Kennett Square, heart of the nation's mushroom industry.

State Agriculture Secretary Leland H. Bull said the office — at 133 E. State St. — will be headquarters for quality inspection services provided by the departments Fruits and Vegetables Division. "These services will be available to fruit and vegetable growers of the area, as well as to mushroom producers," he said.

In addition, the office also will be the source of a Mushroom Market News Service that will start in mid-October, Secretary Bull said. This service, he explained, will provide the mushroom industry with up-to-the-minute news about prices, supply and demand.

Secretary Bull officially opened the new office when he cut the ribbon at 10 a.m. Tuesday. He was welcomed by Mayor Francis Tworzydlo Also participating in the program was Benjamin J. Reynolds, president of the Kennett Square Area Chamber of Commerce.

Copies of the first issue of the department's Mushroom Buyers' Guide was presented by Secretary Bull to leaders of the fresh and processed mushroom industry

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HOG PRICES SHOULD BE STEADY TO HIGHER AS PIG CROP DECLINES

A recent USDA report showed that hogs and pigs on farms in the 10 corn belt states continue at 7 per cent below a year ago, and 5 percent below two years ago. The size of breeding herds and farrowing intentions point to further declines. Intentions reported Sept. 1 show a slight increase over the June 1 report in number of sows to farrow during the Sept. to Nov. quarter; however, the 2.1 million head reported bred and intended for farrowing is still below the number farrowing last year. Breeding intentions for Dec. 1964 to Feb. 1965 indicate that 13 percent fewer sows will farrow than during the same quarter last year.

The 4-H's stand for Head, Heart, Hands and Health.

Annual Feeder Calf Sale Set

Final plans have been made at the Lancaster Stock Yards for its leading fall cattle event, the 10th Annual Lancaster Feeder Calf Sale to be held Friday, October 30th, 1964 at the modern sales pavilion located in the center of the yards.

The primary purpose of these sales throughout the years has been to enable breeders of high quality cattle to conveniently dispose of their calves at a central location in the heart of the cattle feeding country. Alternately it has afforded farmers as well as Baby Beef Clubs an opportunity to secure purebred feeding stock.

All livestock will be consigned to the Lancaster Livestock Exchange, Walter M. Dunlap, Jr., Secretary, Box 487, Lancaster, Pa.

This year in an effort to enable buyers to secure larger lots of stockers and feeders for winter feeding, a second sale will follow the purebred auction. This Special Fall Feeder Sale will feature larger lots of calves and yearlings consigned by the Exchange Members.

This will be Pennsylvania's leading cattle sale with over 1000 head of steers and heifers offered thru the auction ring.

Mark the date, Friday, October 30th, 1964 — Feeder Calf Sale at the Lancaster Union Stock Yards.

LAZY BROOK FARM P. B.
GUERNSEY DISPERSAL

Irving Ireland, Hallstead, Pa., owner
THURSDAY - OCT. 8TH - 12:30 NOON
At the Ass'n. Sales Pav. 6 mi. E. of Lancaster, Pa., on Rt. #30.

42 COWS - 10 BRED & 2 OPEN HEIFERS
10 fresh in July, Aug., 19 in Sept.,
7 in Oct., 6 in Nov. and Dec.

At least 35 head will be at their peak production potential, balance will also add to your fall production.

Our fieldman, Charles Van Horn, who went over the herd carefully, reports that the cows show good udders throughout, type and producing ability to help most herds.

The fact that there are no records may cost the seller money, but the ability of good dairymen to pick by type will assure you of a profitable purchase at a reasonable figure.

SALE MANAGED BY:
THE PENNSYLVANIA GUERNSEY BREEDERS' ASS'N.
P. O. BOX 458 CAMP HILL, PA. 17011

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Laying Feeds

Are Designed For You, The Commercial Poultrymen Who Are Striving For:

1. High Consistent Production
2. Superior Egg Quality
3. Excellent Feed Conversion
4. Low Cost

PUT YOUR LAYING FLOCK ON —

FLORIN LA-MOR
OR
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Today and Get The
Full Details

RELIABLE FLORIN FEEDS

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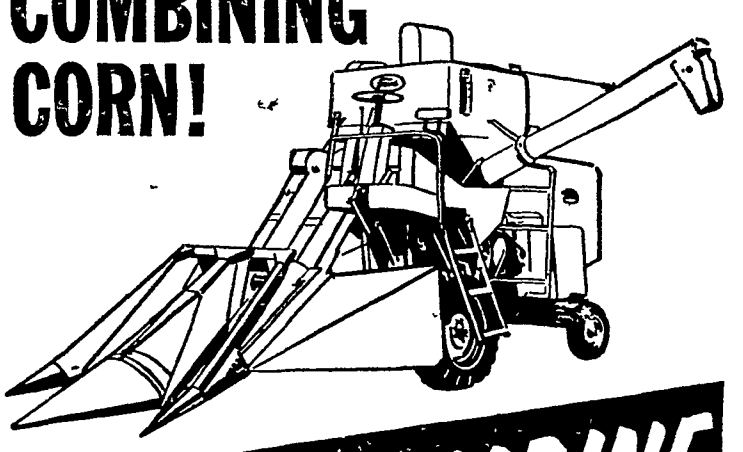
MT. JOY, PENNA.

You can't beat it for
COMBINING CORN!



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- Save Corn—Has Ford's proved corn-saving, contest-winning snapping unit features.
- Handle Big Yields Fast—Has 200-250 bushels per hour capacity.
- Built to "take it"—Built with plenty of beef where it counts for dependable endurance in heavy yields.

. . . And the more you use your combine, the quicker it'll pay for itself.

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1964 Special

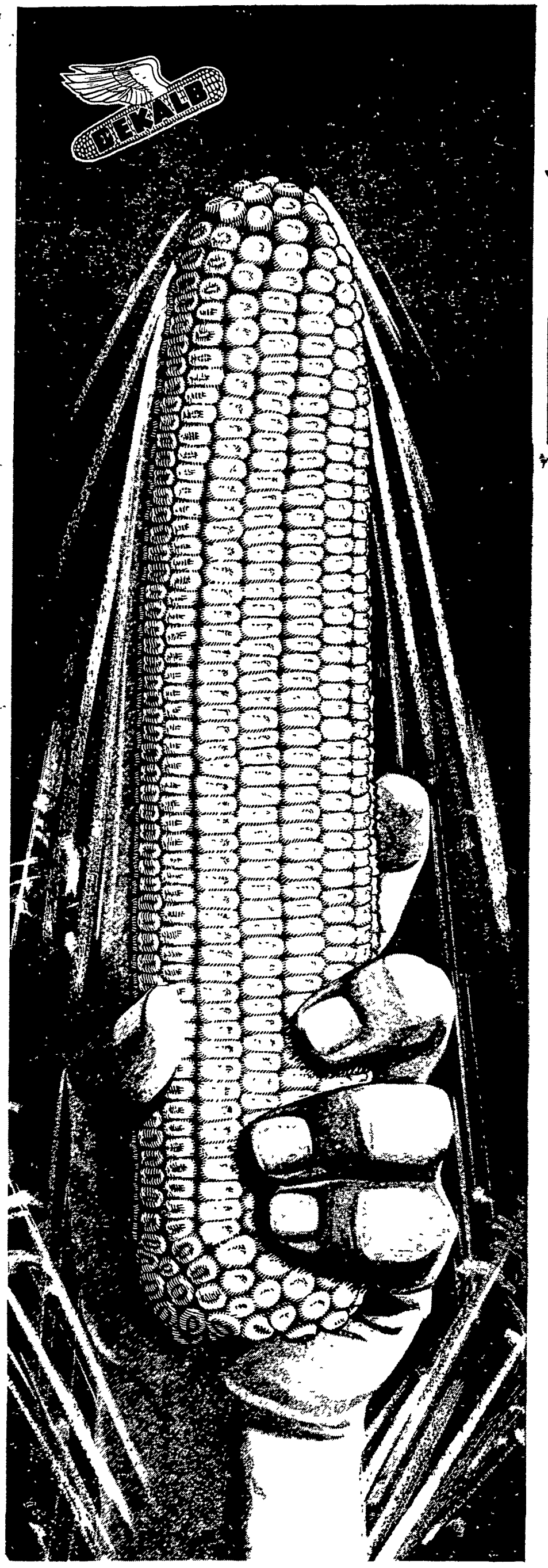
Calf & Feeder Sales

SOUTH BRANCH STOCKYARDS, INC.
Moorefield, West Virginia

FRIDAY, OCTOBER 9 – 7:00 P. M. E.S.T.
1200 calves and yearlings.

FRIDAY, OCTOBER 23 – 7:00 P. M. E.S.T.
1800 calves.

Sale sponsored by W. Va. Dept. of Agriculture and South Branch Stockyards, Inc., Moorefield, West Virginia



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YIELD POWER

DEKALB® XL Single and 3-way crosses

XL-45 SHORT, rugged, low-eared, uniform Single-Cross bred for thick planting. Sensational yielder. XL-45 also produces big yields of top-notch silage high in Total Digestible Nutrients.

XL-65 NEW, SHORT single cross similar to XL-45 but 7 to 8 days later. For thick planting, high fertility. XL-65 has excellent resistance to blight, borer and stalk rot.

XL-361 Great 3-Way Hybrid. Tops in official trials. In N. C. Illinois 2-year averages—127.1 bu.; in So. Penn., in 1963, XL-361 topped 37 other hybrids by 15 bu., even though it was one of the earliest.

Other DeKalb Varieties:

624 Well balanced, good yielder; heavy ears, blight resistance, strong stalks.

640 High population hybrid. Big yields of grain or silage rich in T.D.N.

805 Big eared Single-Cross. Best at moderate populations Ideal for hand or machine harvest.

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